#### UNION PACIFIC RAILROAD COMPANY

K. R. (KEN) WELCH Assistant Vice President Environmental Management

Mailing Address: Room 930 1416 Dodge Street Omaha, Nebraska 68179 Fax No. (402) 271-4461



G. (GLENN) THOMAS Director-Environmental Operations-Central

S. W. (STEVE) BERKI Director-Environmental Operations-Western

L. A. (LANNY) SCHMID Director-Environmental Operations-Southern

R. L. (RICK) EADES
Director-Environmental Site Remediation

November 2, 1995

Environmental Protection: NE, Omaha

\*\* \* \*\* \*\*\* \*\*\*\* \*\*\*\*

NOV 08 1995

RCOM SECTION

Ms. Claudia Vines, Environmental Scientist PRC Environmental Management, Inc. 650 Minnesota Avenue Kansas City, Kansas 66101

Dear Ms. Vines:

Re: Request for Information - Omaha, NE

Attached is plating shop information and assessment reports for our facility at Omaha, NE. This material is in response to your request regarding RCRA Facility Assessment conducted on July 31, 1995.

If there are any questions regarding this data please contact me at (402) 271-4037. Thank you.

Sincerely,

Jerry Cóvey

Manager Compliance Measurment

BCC: Mr. G. Thomas - Room 930

Mr. S. C.McNaughton - Room 930

Mr. R. F. Anderson - Room 930

Mr. T. J. Dahir - Council Bluffs

R00176478 RCRA RECORDS CENTER AT

#### **Proposal**

#### I. Project Description

Union Pacific Railroad Company's (UPRR) Omaha, NE location has requested turn-key waste management services for the plating shop clean-up project. These services will include:

- sampling when necessary,
- testing when necessary,
- packaging (i.e. bulking of compatible materials),
- marking and labeling,
- profiling,
- transportation,
- paperwork, and
- treatment and/or disposal of conforming wastes.

#### II. Management Services

USPCI proposes the following waste management services:

- To generate a site-specific health and safety plan.
- To set up a restricted work area as defined in the health and safety plan. Once on-site, if it is determined by the project leader that there is an existing condition or circumstance that contributes to an unsafe working environment, the project leader reserves the right to correct the situation or postpone the project until a safe working environment can be provided.
- To package, mark, and label all identified wastes so as to meet the requirements of:
  - a) U.S. Department of Transportation
  - b) U.S. Environmental Protection Agency
  - c) State and Local Agencies
  - d) Treatment and/or Disposal Facilities
  - e) UPRR
  - f) USPCI
- To properly load, block, and brace all waste materials on properly permitted transportation vehicles and transport all waste materials to USPCI treatment, storage, and disposal facilities or other facilities if deemed appropriate and acceptable to client.

- To treat and/or dispose of all hazardous wastes in compliance with applicable federal and state regulations and in accordance with UPRR's treatment and disposal hierarchy set forth in any purchase order that arises out of this proposal.
- To document all treatment and/or disposal that may occur in association with this proposal via Certificates of Disposal.

#### III. Contingencies

This proposal is contingent upon the following:

- Disposal services will be provided by a Non-USPCI facility. That facility is American NuKEM's CyanoKEM facility in Detroit, MI.
- Materials not indicated in pricing breakdown will be priced based on the existing contract or the Time and Material Rates.
- Any "bulk" (non-lab pack) wastes which are determined to be unacceptable for transportation will be overpacked into a salvage drum at an additional cost per drum.
- Any wastes found to be unacceptable for processing by USPCI will be left on the generator's site and will not become part of this project. At a minimum, the disposal facility will not accept radioactives, biologicals, explosives, dioxins or their derivatives. In addition, until the federal regulations for mercury disposal are finalized, all mercury compounds will remain on the generator's site.
- Union Pacific Railroad shall provide a safe and secure working area.
- All waste stream(s) will be handled according to current treatment standards or variances.
- Once packaged, the wastes may be left on-site for a short time while we are awaiting disposal schedule slots.
- All work on this project will be performed under the Master Services Agreement between Union Pacific Railroad and USPCI, with signature date August, 25 1989. This agreement is valid indefinitely.

#### IV. Price

USPCI will perform this project, based on the above conditions, on a time-and-materials basis for an estimated cost of

#### V. Breakdown of Pricing

The following is a breakdown of the estimated cost associated with this clean-up:

MOBILIZAT	TION/DEMOBILIZATION	
ON-SITE LA (This includes a Field	ABOR Chemist and three Field Technicians for twenty-one days)	
SAFETY GE	AR	
EQUIPMEN'	r	
SUPPLIES		
TRANSPOR'	TATION	
I roll-off container of a that the disposal estima	ncludes: 2 roll-off containers of wood debris; 2 roll-off containers of en acid debris; 1 roll-off container of cyanide debris; and approximately 80 the has been marked up 5% as per the terms of the existing agreement of the e	0 drums of liquid, solid, and debris hazardous waste. Please note
VI. Proposal Acc	ceptance	
I have read, u	inderstand, and accept USPCI's Proposal #	#93-01-0106.
Accepted by:		Name (Please Print)
		Title
	Union Pacific Railroad Company	Company

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Signature

Union Pacific Railroad Company USPCI Proposal 93-01-0106 Confidential and Proprietary Information June 29, 1993

## Attachment 1 USPCI Time and Material Rates

### USPCI Consolidation Services Department Wichita, Kansas Time and Material Rates

#### Personnel<sup>1</sup>

Field Chemist

Field Technician

Per Diem

Rental Vehicle

\$ hour \$ hour person/day Cost plus

Hourly rates will be charged portal to portal basis.

A premium rate of time and a half will be assessed after 8 hours on weekdays and all day on Saturdays, Sundays, or Holidays.

#### **Equipment**

#### Personal Protective Equipment

Level D

Level C

Level B



#### Vehicles<sup>2</sup>

24 foot truck (Midline Truck)

Prices are exclusive of driver or operator.

#### Other Equipment<sup>3</sup>

**Forklift** 

Manlift

Portable Generator

Drum Pumps

Barrel Cart

Roll-Off Liners

Equipment not Listed



- All cleaning or decontamination of equipment will be done on-site and charged on a time and materials basis.
- Disposable items or decontamination rinseate will be disposed of properly at the customer's expense.



#### **Materials**

#### Steel Drum

85 gallons

55 gallons (DOT 17H or 17E)

5 gallon (DOT 37A, 17C, or 17E)

#### Polyethylene Drums

95 gallons (DOT-E9618)

85 gallons (DOT-E9975)

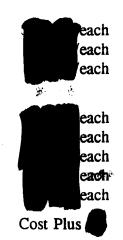
55 gallons (Open Head DOT-E7768)

55 gallons (Closed Head DOT 34)

20 gallons (Open Head DOT-E7768)

#### All other supplies

Treatment and Disposal (See Attached Pricing from CyanoKEM, Attachment 2)



#### **Transportation**

Transportation Rate (Includes Roll-Off's and

Van Trailers)

Roll-Off Spot Charge

Roll-Off Rental

Less than load (LTL) rate

#### To Detroit, Michigan

55 gallon drum

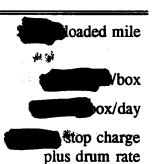
30 gallon drum

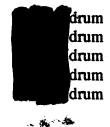
20 gallon drum

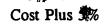
10 gallon drum

5 gallon drum

#### All Other Transportation Charges







Union Pacific Railroad Company USPCI Proposal 93-01-0106 Confidential and Proprietary Information June 29, 1993

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#### Attachment 2 CyanoKEM Disposal Pricing

#### CURRON An American NuKEM Company

Cyanokemi inc. 17515 W. Nine Mile Pd. Suite 840 Soutrifield, Mi 48075 (212) 880-8000 Fax (313) 539-3290

June 20. 1999

Mr. Joe W. Dowdey
USPCI
2549 North New York Otreet
Wichits. KS 67219

Mr. Dowdey:

Thank you for giving us the opportunity to quote on the clean-up project with Union Pacific Railroad in Omeha, Nebraska.

The project price for the entire project will include treatment and disposal for the following:

- 11 metal acid tanks
- 17 metal cyanide tanks
- Approximately 100 feet of i-beam
- All wood flooring in plating area and brick plating room
- · Wood ceiling in brick platting room
- All hoods and exhaust dust work
- Miscellaneous metal debris in plating area, i.e. pumps, drives, piping, water fountains, etc.
- Approximately 77 55 gallon drums of waste consisting of:
   35-40 Equid acid drums
   31-26 Equid CN drums
   4 solid and debris CN drums

All of the above listed waste will be shipped from the generator. Union Pacific Railroad, with USPCI acting as the broker, to CyanoKEM in Detroit, Mi. We request that the material be in either 55 gallon drums or a 20 yd<sup>3</sup> roll-off container.

The following provisions must apply:

- Plating tanks must be placed as one unit in roll-off containers. Each tank must be free of any fiquide and of as much solid waste material as possible.
- All wood debris must be cut into 3 toot lengths.
- All roll-off containers are to be received on any Friday during the months of July and August.

#### CyanoKEM

The price quotation is to include all analytical services, all approval fees, sits visit of sales and operation personnel, 2 day on-sits ocordination from a CyanoKEM Chemist/Waste Approval Operations Manager and BDAT treatment and proper disposal for all associated hazardous Waste.

The price breakdown is as follows:

2 roll-off containers of wood debris	\$50,000
2 roll-off containers of empty acid tanks	27,000
2-3 roll-off containers of empty CN tanks	42,000
1 roll-off container of acid debris	13,000
1 roll-off container of CN debris	18,000
70-80 55 gallon drums of liquid, solid and debris hazardous waste:	
35-40 liquid acid drume	9,000
51-86 Hauld CN dame	23,000

If any metal tanks have a liner attached, an added fee of \$2000 may apply.

We understand the teardown is expected to begin in mid-July and last approximately 2 weeks long. The sample process is to take place on June 30, 1993 and all samples must be received at CyanoKEM by July 6, 1993 in order to begin receiving waste as early as July 16, 1993. The following sample technique is recommended:

- Please take 2-3 samples of wood from various areas and submit under one profile/C#.
- Please incorporate each tank and all associated equipment, solution, solid material
  and debrie under one profile. Please write all included material in the description
  section on the profile and use a paint marker to mark the equipment with the
  corresponding C#.

We look forward to working with you on this project. If you should have any questions, please feel free to contact us.

Sincerely.

Elizabeth C. Macov

National Account Manager

cc G. Cottone A. Trujillo

LM/dc

Union Pacific Railroad Company USPCI Proposal 93-01-0106 Confidential and Proprietary Information June 29, 1993

# Attachment 3 Treatment, Storage, and Disposal Facilities List

#### TREATMENT, STORAGE, & DISPOSAL FACILITIES LIST

Please identify any of the facilities which are not approved by Union Pacific Railroad Company:

USPCI - Hydrocarbon Recyclers, Inc.

2549 N. New York Wichita, KS 67219 316/268-9490

EPA ID# KSD007246846

Type of Disposal: Fuels Blending;

Repackage/Bulk of Materials for Final Disposal:

Transfer and Storage Facility

Permitted EPA Codes: All codes except F020, F021.

F023, F026, F027, F028, & K065

USPCI - Rosemount Industrial Landfill

13425 Courthouse Blvd. Rosemount, Minnesota 55068 612/438-1500

Type of Disposal: Industrial Landfill

**USPCI - Lone Mountain Facility** 

Route 2, Box 170 Waynoka, Oklahoma 73860 405/697-3590 EPA ID# OKD065438376

Type of Disposal: Hazardous Waste Landfill

**ENSCO** 

American Oil Road El Dorado, AR 71731 501/863-7173 EPA ID# ARD069748192 Type of Disposal: Incineration

Rollins Environmental Services

P.O. Box 609
Deer Park. TX 77536-0609
713/930-2300
EPA ID# TXD055141378
Type of Disposal: Incineration

**ThermalKEM** 

2324 Vernesdale Road Rock Hill, South Carolina 29731 803/324-5310 EPA ID# SCD044442333 Type of Disposal: Incineration NSSI/Recovery Services, Inc.

5711 Etheridge Houston, TX 77087 713/641-0391 EPA ID# TXD982560294

Type of Disposal: Gas Cylinder Management

**Battery Disposal Technology** 

4255 Research Parkway Clarence, NY 14031 716/634-6794 EPA ID# NYD000632372

Type of Disposal: Hydrolization; Incineration

**Bethlehem Apparatus** 

890 Front Street Hellertown, PA 18055 215/838-7034 EPA ID# PAD002390961

Type of Disposal: Elemental Mercury Reclamation;

Mercury Battery Reclamation

Permitted EPA Code: D009; U151 is not acceptable.

**CyanoKEM** 

12381 Schaefer Highway
Detroit, MI 48227
313/559-5900
EPA ID# MID098011992
Type of Disposal: Acid Treatment; Cyanide
Destruction; Hydrolization of Oxidizers

**International Metals Reclamation Company** 

P.O. Box 720, Route 488 Ellwood City, PA 16117 412/758-5515 EPA ID# PAD087561015

Type of Disposal: Nickel Cadmium Battery Disposal



#### Treatment & Recovery Services

June 29, 1993

Mr. Jerry Covey Union Pacific Railroad Company 1416 Dodge Street, Room 930 Omaha, NE 68179

Re: Plating Shop Clean-up

USPCI Proposal Number 93-01-0106

Dear Mr. Covey:

The Consolidation Services Department of U.S. Pollution Control, Inc. (USPCI) is pleased to present this proposal to provide removal, transportation, and disposal of plating shop waste from Union Pacific Railroad Company's Omaha. NE location. USPCI owns and operates some of the newest and most advanced treatment and disposal facilities in the nation.

USPCI is a full-service hazardous waste management firm that has been in business since 1968. As a subsidiary of Union Pacific Corporation, a multi-billion dollar corporation, USPCI has the strong financial backing needed to provide your company with unparalleled liability protection.

If the enclosed proposal is acceptable, please sign the **Proposal Acceptance** section of the proposal and return three copies of the complete bid package, along with your purchase order referencing this project, to the following address:

U.S. Pollution Control, Inc. Consolidation Services Department 2549 North New York Street Wichita, Kansas 67219 Attn: Michelle Hartup

All work on this project will be performed under the Master Services Agreement between Union Pacific Railroad and USPCI, with signature date August 25, 1989. This agreement is valid indefinitely.

Once the proposal package has been processed, USPCI will send one copy back to you with all the proper signatures for your files.

Union Pacific Railroad Company USPCI Proposal 93-01-0106 Confidential and Proprietary Information June 29, 1993

We sincerely appreciate your contacting us for a quotation. If you have any questions, or if I can be of further assistance, please feel free to call me at 316/268-9490. We look forward to working with you.

Sincerely,

Gerry F. Stafford, CHMM

Consolidation Services Superintendent

GS

cc: Bernie Sabbert - USPCI

Consolidation Services File Copy

#### Proposal for Sampling, Packaging, Profiling, Transportation, and Treatment/Disposal of Plating Shop Waste

Submitted to
Union Pacific Railroad Company
1416 Dodge Street, Room 930
Omaha, Nebraska 68179
402/271-4037
Attn: Jerry Covey

Prepared by
U.S. Pollution Control, Inc.
Consolidation Services Department
2549 North New York Street
Wichita, Kansas 67219

Proposal #93-01-0106 Gerry F. Stafford June 29, 1993

Valid 30 Days

#### **Contents**

#### Proposal

I. Project Description

II. Management Services

III. Contingencies

IV. Price

V. Breakdown of Pricing

VI. Proposal Acceptance

#### **Attachments**

Attachment 1

USPCI Time and Material Rates

Attachment 2

CyanoKEM Disposal Pricing

Attachment 3

Treatment, Storage, and Disposal Facilities List

#### USPCI UNION PACIFIC RAILROAD CLEAN-UP

SAMPLE # Al	PPROVAL #			
(C #)	(W #)	DESCRIPTION	CN	ACID
82699	22447	Tank Residue	Yes	
82690	22454	CN Plating Solution	Yes	
82803	22455	CN Solution Tank	Yes	
92604	22456	CN Solution Debris Tank	Yes	
82 <b>69</b> 2	22457	Alkali Liquid/CN Debris	Yes	- <b>-</b>
82802	22458	CN Solids	Yes	
82 <b>69</b> 4	22459	CN Solution Tank	Yes	
82698	22449	CN Plating Tank Residue	Yes	
82693	22451	Alkali Liquid and Drum	Yes	
<b>328</b> 16	22452	Wood Flooring Debris	Yes	
•				
SAMPLE # AI				
(C #)	(W #)	DESCRIPTION	CN	ACID
82684	22448	Caustic Solid Debris Tank		Yes
82691	22443	Acid Solution Debris Tank		Yes
82809	22442	Acid Solution, Debris		Yes
82686	22441	Furning Acid Solution Drum		Yes
82611	22440	Sludge Debris in Floor Pit		Yes
82814	22438	Acid Solution Debris Tank		Yes
82813	22437	Neutral Solution and Debris		Yes
82696	22436	Neutral Solution Debris Tank		Yes
8 <b>28</b> 01	22435	Neutral Solution Debris Tank		Yes
8 <b>28</b> 10	22434	Neutral Solution and Debris		Yes
82 <b>806</b>	22433	Neutral Solution Tank		Yes
8 <b>2808</b>	22432	Caustic Solution Debris Tank		Yes
82805	22431	Neutral Solution and Debris		Yes
82688	22430	Neutral Solution Tank	·	Yes
82812	22429	Acid Solution Debris Tank		Yes
<b>6261</b> 5	22428	Acid Sludge Debris Tank		Yes
32807	22427	Neutral Solution and Debris		Yes
82697	<b>22426</b>	Acid Solution Debris Tank		Yes
82687	22425	Acid Solution Drum		Yes
82685	22424	Acid Liquid Tank Debris		Yes
82689	22422	Acid Solution		Yes
82700	22421	Acid Solution Tank		Yes
82695	22420	Neutral Solution and Debris		Yes

#### WASTE STREAM CHARACTERIZATION RECORD

Regulations require generators and/or brokers to fully complete this Waste Stream Characterization Record before wastes can be accepted for treatment.



AD098011992 **ontrol Number:** 

Provide generator's USEPA indentification number, name, address

00010

x items on each page must be completed. This includes the Addendum to Profile on pages 4 and 5. Remember to sign section 13 on the MSCR as well as the "Generator Certification" at the bottom of the Addendum. This will assure you the most rapid waste annie of Plance cend original paperwork with sample.

W 22 452.

PLEASE SUBMIT THE COMPLETED FORM AND A 16 TO 32 OUNCE SAMPLE OF THE WASTE STREAM TO: Approvals Laboratory, CyanoKEM, 12381 Schaefer Hwy. Detroit, MI 48227

agency representing a generator, regulations require you to provide the name of the generator in this section.
Generator ID # NED000829754 Name Union Pacific Railroad Company
Address 1416 Dodge St City Omaha State NE Zip Code 68179
Official Contact   Jerry Covey   Title   Manager Compliance Measures   Telephone   (402) 271-4037   Fax
Broker Information: If you are a broker, service company or regulatory agency representing a generator, provide your name, address, telephone number and contact person in this section.
Name: USPCI Official Contact: Ken Marks Telephone: ( 316 ) 268-9490 Fax: (316 ) 268-9418
Address: 2549 N. New York City: Wichita State: KS Zip: 67219
Gen. ID: K S D 0 0 7 2 4 6 8 4 6
Waste Description: Fill in all of the blanks in this section to the best of your knowledge. If "other" is checked, insert a brief description in the space provided.
Common Chemical Name/Trade Name: wood flooring, debris Land Ban Notification Required?  Yes XX Notification Required? Yes XX Notification Required?
Process Producing Waste: plating shop cleanup the Winster Jolid Wivs (1939 NAJO77
DOT Shipping Name: Nonregulated per 40 & 49 CFR DOT Hazard Class: NA UN/NA # NA
Packing Group: N/\ Special Provisions:
EPA Waste Number(s):
If your waste is not a listed waste (F or K) then circle the hazardous characteristic: Ignitable Reactive Corrosive Toxic Oxidizer
Are filters present: yes □ no XX  Physical State at 70°XII Solid Chunks □ Solid Monolith □ Sludge □ Liquid Other (explain): planks
wood flooring, wood debris laying around plating shop  Visual Description:  American NuKEM Representative:
□ Rock Hill, SC (803) 329-9690 □ Mahwah, NJ (201) 818-0900 □ Southfield, MI (313) 559-5900

4	Check "%" or "ppm." If you use percentages, your total must equal 100%. If you use ppm and do not know exact quantities, you can use words such as trace or "present." Do not use words such as "unknown" or "not available.
	Specific Gravity: NA pH: 5-8
	Chemical Composition in (check one): □ % □ ppm
	Arsenic NA Barium NA Cadmium NA Chromium NA Chromium NA Chromium (+6) NA Chromium Total NA
	Cobalt Copper Lead Lithium Mercury Nickel
	Silver Zinc Selenium Total Cyanides Total Sulfides Iron
	ATTACH MOST RECENT ANALYTICAL INFORMATION, IF AVAILABLE.
	Oils, Grease NA Organics NA Phenols NA Acids NA Bases NA
	Reactive Under 40CFR261.23? ☐ Yes    No
	Other Components:
5	Other Components and Constituents: If any of the listed constituents are known to be present, insert the amount in weight percent or ppm.
	Are any of the following present: ☐ Yes X No If yes, then circle those present.
	Biological Materials Pathogens Etiological Agents Pesticides
	PCB's Badioactive Materials
6	List any special handling instructions for the materials that are known to be present.
	Indicate any special handling instructions:
7	Provide best available figures.
	Approximate Amount of Waste Produced Annually: one time cleanup Amount on Hand: 50' x 150' approx. floor space
8	Check appropriate box, fill in blank(s). IF "other," describe. List all container sizes.
	Packaging for Shipment: KNDrums (size) various gallons (weight) pounds XXI Bulk  Other:
9	Please provide your standard industrial code in the space provided.
	4011
	Standard Industrial Code (SIC): 4011

**Transportation Equipment Requirements:** 

 $P^{\mu}$  is do the name, and telephone number of the individual responsible for scheduling waste shipments

**Scheduling Contact:** 

Ken Marks

Telephone: (316) 268-9490

#### **GENERAL INFORMATION FOR WSCR**

- 1. Instructions for completing CyanoKEM's Waste Stream Characterization Record (WSCR) are above each section. Providing an accurate and complete form assures the most rapid waste approval. For assistance, call CyanoKEM's sales office: (313) 353-5880.
- 2. Regulations require that all the information requested by the WSCR must be provided before wastes can be accepted at CyanoKEM. Complete this form to the best of your knowledge considering the origin and use of the materials.
- 3. A separate WSCR must be completed for each waste sample sent to CyanoKEM.
- 4. Your waste approval will be processed most quickly if you fill out the WSCR completely and accurately. If we find inconsistencies in your

- WSCR it must be returned to you for correction and resubmitted for final approval. Alternately, to save time you should authorize CyanoKEM to correct your WSCR by checking "Yes" and signing in Item 11 above. All corrections will be consistent with the results of sample char acterization and/or regulatory requirements. The most rapid waste approval will be achieved by authorizing CyanoKEM to make your WSCR corrections. You will receive a copy of the corrected WSCR for your records.
- 5. CyanoKEM, Inc., in compliance with 40 CFR 264.12 (b), has the appropriate permit(s) for the waste material(s) as described on this waste stream characterization record CyanoKEM, Inc. will accept such waste material provided that any terms and conditions detailed on the contractual agreement of our quotation are met.

#### SAMPLE SUBMITTAL

- 1. Remove the pull-off label from the front of this form and attach it to your sample container.
- 2. Use DOT approved packaging.

3. Package this form together with a 16 to 32 ounce sample of your waste stream and send to:

Approvals Laboratory CyanoKEM Inc. 12381 Schaefer Highway Detroit, MI 48227

O# \_\_\_\_\_

12381 Schaefer Highway Telecopy (313) 933-5029 , Defreit Michean 48227 / (313) 933-1850 FPA Montification #MID 099011992 APPROVAL W# \_\_\_\_\_

#### ADDENDUM TO PROFILE

Regulations require that you certify if any of the following constituents are present at characteristic levels in your waste stream. Indicate <u>yes</u> or <u>no</u> for EACH constituent. If analytical is available, please enter this in the actual value space provided.

# Characteristic Wastes D001 (characteristic of ignitability as defined in 40 CFR 261.21 (a) (4) (Oxidizer)) D002 (characteristic of corrosivity as defined in 40 CFR 261.22) D003 (characteristic of reactivity as defined in 40 CFR 261.23 (a) (2), (4), (5))

Metal Wastes		Characteristic Level (ppm)			Actual Value
D004	(Arsenic)	5.0	YES	/NO	
D005	(Barium)	100.0	YES	NO	
D006	(Cadmium)	0.1	YES	NO	
D007	(Chromium)	5.0	YES	NO	and the second second
D008	(Lead)	50	YES	NO	
D009	(Mercury)	02	YES	NO	
DO 10	(Selenium)	1.0	YES	NO	(p) 1 (0.10
D011	(Silver)	4, ()	VI 8	140	

Herbic	ide/Pesticide Wastes Cl	haracteristic Lev	el (ppm)		Actua
D012	Endrin (1, 2, 3, 4, 10, 10- hexachloro-1, 7- epoxy-1, 4, 4a, 5, 6, 7, 8, 8a-octahydro-1, 4-endo, endo-5, 8-dimethanonaphthalene.)	0.02	YES	NO	
D013	Lindane (1,2,3,4,5, 6-Hexa- chlorocyclohexane, gamma isomer.)	04	YES	NO	### W 1# 1# -
D014	Methoxychlor (1,1, 1-Trichloro-2, 2-bis (p- methoxy-phenyl) lethane.)	10.0	YES	МО	
D015	Toxaphene (C10, H10, Cla Technical chlorinated camphene, 67-69 percent chlorine.)	0.5	YES	NO	
D016	2, 4-D, (2,4-Dichloro- phenoxyacetic acid.)	10.0	YES	NO	***************************************
DO17	2, 4, 5-TP Silvex (2,4, 5-Trichlorophenoxypr	1.0	YES	Ng	*******

opionic acid.)

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GENERATOR CLUMB CHICK

Organic	Toxicity Wastes	Characteristic Level	(ppm)		Actual Value	Organi	c Toxicity Wastes	Characteristic Level	l (ppm)		Actual Value
DO18	(Benzene)	0.5	YES	NO		D031	(Heptachlor) (and its hydroxide)	0.008	YES	NO	
DO19	(Carbon Tetrachloride)	0.5	YES	NO		D032	(Hexachlorobenzene)	0.13	YES	МО	
<b>DO2</b> 0	(Chlordane)	0.03	YES	NO	-	D033	(Hexachlorobutadiene	) 0.5	YES	МО	
DO21	(Chlorobenzene)	100.0	YES	NO.		D034	(Hexachloroethane)	3.0	YES	NO	
D022	(Chloroform)	6.0	YES	NO		D035	(Methyl ethyl ketone)	200.0	YES	NO	<del> </del>
D023	(o-Cresol)	200.0	YES	МО		D036	(Nitrobenzene)	2.0	YES	NO	
D024	(m-Cresol)	200.0	YES	NO -	40.0	D037	(Pentachlorophenol)	100.0	YES	NO	
D025	(p-Cresol)	200.0	YES	NO		D038	(Pyridine)	5.0	YES	NO	
D026	(Cresol)	200.0	YES	NO		D039	(Tetrachlorethylene)	0.7	YES	NO	
D027	(1,4-Dichlorobenzene	7.5	YES	NO	,	D040	(Trichlorethylene)	0.5	YES	NO	
D028	(1,2-Dichloroethane)	0.5	YES	NO		D041	(2,4,5-Trichloropheno	400.0	YES	NO	
D029	(1,1-Dichloroethylene	0.7	YES	NO		D042	(2,4,6-Trichloropheno	2.0	YES	NO	
	(2,4-Dinitrotoluene)	0.13	YES	NO		D043	(Vinyl chloride)	0.2	YES	NO	/

Theck. Yes and initial this section if you want CyanoKEM to correct any inconsistencies. The most rapid waste approval will be achieved by authorizing CyanoKEM to make your WSCR corrections. All corrections will be consistent with the results of sample characterization and or regulatory requirements. You will receive a copy of the corrected WSCR for your record. If you do not authorize CyanoKEM to make corrections. WSCR's must be returned to you for your correction and resubmitted for final approval. This extends your waste approval time.

Authorization to Correct WSCR: I authorize CyanoKEM to make corrections to this WSCR Form, such corrections being consistent with the results of sample characterization and/or regulatory requirements of Michigan DNR or EPA. I understand that a corrected copy will be sent to me. Yes XI No I Initial: NOTE: Any significant changes or deviations from the waste received versus the information on this form requires amendment.

Must be signed by the appropriate personnel representing the company renerating of handling the waste.

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#### WASTE STREAM CHARACTERIZATION RECORD

Regulations require generators and/or brokers to fully complete this Waste Stream Characterization Record before wastes can be accepted for treatment.



EPA Identification Number: MID098011992

**Waste Lab Control Number:** 

C- 82085

All items on each page must be completed. This includes the Addendum to Profile on pages 4 and 5.

Remember to sign section 13 on the WSCR as well as the "Generator Certification" at the bottom of the Addendum. This will assure you the most rapid waste approval. Please send original paperwork with sample.

w=2424 93012 11A 3155

PLEASE SUBMIT THE COMPLETED FORM AND A 16-10-32 OUNCE SAMPLE OF THE WASTE STREAM TO: Approvals Laboratory, CyanoKEM 12381 Schaefer Hwy, Detroit, MI 48227

Generator Information: Provide generator's USEPA indentification number, name, address, contact person and tagency representing a generator, regulations require you to provide the name of the generator.	telephone number – If you are a broker, service company or $\epsilon$ gulatory rator in this section.
Generator ID # N F D 0 0 0 8 2 9 7 5 4 Name Union Pacific Railroad	
Address 1416 Dodge St City Omaha	State NE Zip Code 68179
Official Contact   Jerry Covey   Title   Environmental   Telephone	(402) 271-4037 Fax
Broker Information: If you are a broker, service company or regulatory agency representing a generator, provide you	ur name, address, telephone number and contact person in this section.
Name:         USPCI         Official Contact:         Ken Marks         Telephone:         ( 316 )           Address:         2549 N. New York St         City:         Wichita           Gen. ID:         K S D 0 0 7 2 4 6 8 4 6	) <u>268-9490</u> Fax: ( 316 ) <u>268-9418</u>
Waste Description: Fill in all of the blanks in this section to the best of your knowledge. If "other" is checked, insert	a brief description in the space provided.
Common Chemical Name/Trade Name: (If trade name is used, attach MSDS)  Acidic liquid, Metal debris, Plating tank	Land Ban Notification Required? IX Yes ☐ No
Process Producing Waste:Plating Shop Cleanup	
DOT Shipping Name: Waste Corrosive Liquids, n.o.s.  Packing Group: PG II Special Provisions:	DOT Hazard Class:8 UN/NA #UN1760
EPA Waste Number(s): D002   D00   D00    If your waste is not a listed waste (F or K) then circle the hazardous characteristic: Ignita	
Are filters present: yes □ no ፟፟  Physical State at 70°:XX Solid Chunks □ Solid Monolith □ Sludge XX Liquid Other (explain):	
Visual Description: clear liquid bath inside tank	American NuKEM Representative:
Fiduci Description.	☐ Rock Hill, SC (803) 329-9690 ☐ Mahwah, NJ (201) 818-0900 ☐ Southfield, MI (313) 559-5900

<b>E</b>	Chemical Composition  Check "%" or "ppm." If you use percentages, your total must equal 100%. If you use ppm and do not know exact quantities, you can use words such as "trace" or "present," Do not use words such as "unknown" or "not available."
	Specific Gravity: 1 pH: 2-3
	Chemical Composition in (check one): ☐ % ☐ ppm
	Arsenic NA Barium NA Cadmium NA Chromium NA Chromium (+6) NA Chromium Total NA
	Cobalt Copper Lead Lithium Mercury Nickel
	Silver Zinc Selenium Total Cyanides Total Sulfides Iron
	ATTACH MOST RECENT ANALYTICAL INFORMATION, IF AVAILABLE.
	Oils, Grease NA Organics NA Phenols NA Acids NA Bases NA
	Reactive Under 40CFR261.23? ☐ Yes XX No
	Other Components:
5	Other Components and Constituents: If any of the listed constituents are known to be present, insert the amount in weight percent or ppm.
	Are any of the following present:   Yes XXI No If yes, then circle those present.
	Biological Materials Pathogens Etiological Agents Pesticides
i.	PCB's Radioactive Materials
5	test any special handling instructions for the materials that are known to be present.
	Indicate any appoint handling instructions:
	Indicate any special handling instructions:
	rander best available figures.
	Approximate Amount of Waste Produced Annually: one time cleanup Amount on Hand: 1 tank
2	Check appropriate box, fill in blank(s), IF "other," describe, List all container sizes.
	exek appropriate Box. III III Blank(3), II Content describe. Elst directification (3)263.
	Packaging for Shipment: X的Drums (size) various gallons (weight) pounds <b>好Bulk</b> 口 Other:
9	Please provide your standard industrial code in the space provided.
	Standard Industrial Code (SIC): 4011
-	

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10	case details of special requirements such	as power tail gate, vacuum tankers, etc.		
	Transportation Equipment Require	ements:		
بخارية	<u> </u>			Salade in a
	Procede the name and telephone number	of the individual responsible for scheduling waste shipments.		
	Scheduling Contact:	Ken Marks	Telepho	one: (316) 268-9490

#### **GENERAL INFORMATION FOR WSCR**

- 1. Instructions for completing CyanoKEM's Waste Stream Characterization Record (WSCR) are above each section. Providing an accurate and complete form assures the most rapid waste approval. For assistance, call CyanoKEM's sales office: (313) 353-5880.
- 2. Regulations require that all the information requested by the WSCR must be provided before wastes can be accepted at CyanoKEM. Complete this form to the best of your knowledge considering the origin and use of the materials.
- 3. A separate WSCR must be completed for each waste sample sent to CyanoKEM.
- 4. Your waste approval will be processed most quickly if you fill out the WSCR completely and accurately. If we find inconsistencies in your

- WSCR it must be returned to you for correction and resubmitted for final approval. Alternately, to save time you should authorize CyanoKEM to correct your WSCR by checking "Yes" and signing in Item 11 above. All corrections will be consistent with the results of sample char acterization and/or regulatory requirements. The most rapid waste approval will be achieved by authorizing CyanoKEM to make your WSCR corrections. You will receive a copy of the corrected WSCR for your records.
- 5. CyanoKEM, Inc., in compliance with 40 CFR 264.12 (b), has the appropriate permit(s) for the waste material(s) as described on this waste stream characterization record CyanoKEM, Inc. will accept such waste material provided that any terms and conditions detailed on the contractual agreement of our quotation are met.

#### SAMPLE SUBMITTAL

- 1. Remove the pull-off label from the front of this form and attach it to your sample container.
- 2. Use DOT approved packaging.

3. Package this form together with a 16 to 32 ounce sample of your waste stream and send to:

Approvals Laboratory CyanoKEM Inc. 12381 Schaefer Highway Detroit, MI 48227

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APPROVAL W# \_\_\_\_\_

**12381** Schaefer Highway Telecopy (313) 933-5020 Potent Michigan 48227 / (313) 930-1850 EPA Identification #MID 0990 (1900)

#### ADDENDUM TO PROFILE

Regulations require that you certify if any of the following constituents are present at characteristic levels in your waste stream. Indicate yes or no for EACH constituent. If analytical is available, please enter this in the actual value space provided.

#### **Characteristic Wastes**

D001	(characteristic of ignitability as defined in 40 CFR 261.21 (a) (4) (Oxidizer))	YES (NO
D002	(characteristic of corrosivity as defined in 40 CFR 261.22)	YES NO
D003	(characteristic of reactivity as defined in 40 CFR 261.23 (a) (2), (4), (5))	YES (NO

Metal \	Wastes	Characteristic Level (p	opin)		Actual Value
D004	(Arsenic)	50	YES	NO	
D005	(Barium)	100.0	\F\S	/ NO	
D006	(Cadmium)	10	YES	NO	
D007	(Chromium)	50	YES	ИО	American Assessed to the measurement
D008	(Lead)	50	YES	МО	
D009	(Mercury)	0.2	YES	NO	
<b>D</b> 010	(Selenium)	10	YES	NO	
D011	(Silver)	50	YES	NO,	

Herbicide/Pesticide Wastes Characteristic Level (ppm) Actual Val								
D012	Endrin (1, 2, 3, 4, 10, 10- hexachloro-1, 7- epoxy-1, 4, 4a, 5, 6, 7, 8, 8a-octahydro-1, 4-endo, endo-5, 8-dimethano-naphthalene.)	0 02	YES	NO				
D013	Lindane (1,2,3,4,5, 6-Hexa- chlorocyclohexane, gamma isomer.)	0.4	YES	NO				
D014	Methoxychlor (1,1, 1-Trichloro-2, 2-bis (p- methoxy-phenyl) lethane.)	10.0	YES	NO				
D015	Toxaphene (C10, H10, Cls Technical chlorinated camphene, 67-69 percent chlorine.)	0.5	YES	NO				
D016	2, 4-D, (2,4-Dichloro- phenoxyacetic acid.)	10.0	YES	МО				
D017	2, 4, 5-TP Silvex (2,4, 5-Trichlorophenoxypr	1.0	YES	NO				

opionic acid.)

-A				A STATE OF THE PARTY.							
E. a.	Wastes Wastes	Characteristic Lev	vel (ppm)		Actual Value	Organ	ic Toxicity Wastes	Characteristic Leve	el (ppm)		Actual Valu
2018	(Benzene)	0.5	YES	NO		D031	(Heptachlor) (and its hydroxide)	0.008	YES	NO	
D019	(Carbon Tetrachloride)	0.5	YES	NO		D032	(Hexachlorobenzene)	0.13	YES	NO	•
D020	(Chlordane)	0.03	YES	NO		D033	(Hexachlorobutadiene)	0.5	YES	NO	
D021	(Chlorobenzene)	100.0	YES	NO		D034	(Hexachloroethane)	3.0	YES	NO	
D022	(Chloroform)	6.0	YES	NO		D035	(Methyl ethyl ketone)	200.0	YES	NO	
D023	(o-Cresol)	200.0	YES	NO	-	D036	(Nitrobenzene)	2.0	YES	NO	*
D024	(m-Cresol)	200.0	YES	NO		D037	(Pentachlorophenol)	100.0	YES	NO	
D025	(p-Cresol)	200.0	YES	NO		D038	(Pyridine)	5.0	YES	NO	
D026	(Cresol)	200.0	YES	МО		D039	(Tetrachlorethylene)	0.7	YES	NO	
D027	(1,4-Dichlorobenzene)	7.5	YES	NO		D040	(Trichlorethylene)	0.5	YES	NO	
D028	(1,2-Dichloroethane)	0.5	YES	NO		D041	(2,4,5-Trichlorophenol)	400.0	YES	МО	
D029	(1,1-Dichloroethylene)	0.7	YES	NO		D042	(2,4,6-Trichlorophenol)	2.0	YES	NO	
D030	(2,4-Dinitrotoluene)	0.13	YES	NO		D043	(Vinyl chloride)	0.2	YES	NO	<del></del>
										\ /	

1. Yes, and instract this section if you want CyanoKEM to correct any inconsistencies. The most rapid waste approval will be achieved by authorizing CyanoKEM to make your WSCR as not authorize CyanoKEM to make corrected wscr for your records. If you had not authorize CyanoKEM to make corrections, WSCR's must be returned to you for your correction and resubmitted for final approval. This extends your waste approval time.

Authorization to Correct WSCR: I authorize CyanoKEM to make corrections to this WSCR Form, such corrections being consistent with the results of sample characterization and/or regulatory requirements of Michigan DNR or EPA. I understand that a corrected copy will be sent to me. Yes W No I Initial:

NOTE: Any significant changes or deviations from the waste received versus the information on this form requires amendment.

Must be signed by the appropriate personnel representing the company deherating or handling the waste.

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Signature Court

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#### WASTE STREAM CHARACTERIZATION RECORD

Regulations require generators and/or brokers to fully complete this Waste Stream Characterization Record before wastes can be accepted for treatment.



EPA Identification Number: MID098011992

<b>Naste</b>	Lab	<b>Control</b>	<b>Number:</b>
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All items on each page must be completed. This

includes the Addendum to Profile on pages 4 and 5.

Addendum. This will assure you the most rapid waste

NOTE: Remember to sein section to on the woon a like the "Generator Certification" at the bottom of the

W22422 1/55

PLEASE SUBMIT THE COMPLETED FORM A A 16 TO 32 OUNCE SAMPLE OF THE WAS STREAM TO: Approvals Laboratory, CyanoKI 12381 Schaefer Hwy, Detroit, MI 48227

with a first the end original paperwork with sample.	
Generator Information: Provide generator's USEPA indentification number, name, address, contact person and agency representing a generator, regulations require you to provide the name of the gene	telephone number — If you are a broker, service company or regulate rator in this section.
Generator ID # N E D 0 0 0 8 2 9 7 5 4 Name Union Pacific Rail	lroad Company
Address 1416 Dodge St City Omaha	State NE Zip Code 68179
Official Contact   Jerry Covey   Title   Manager Compliance Measures   Telephone	
Broker Information: If you are a broker, service company or regulatory agency representing a generator, provide you	our name, address, telephone number and contact person in this section
Name: USPC1 Official Contact: Ken Marks Telephone: ( 316	) <u>268-9490</u> Fax: (316 ) <u>268-9418</u>
Address: 2549 N. New York City: Wichita	State: KS Zip: 67219
Gen ID: K S D 0 0 7 2 4 6 8 4 6	
Waste Description: Fill in all of the blanks in this section to the best of your knowledge. If "other" is checked, insert	a brief description in the space provided.
Common Chemical Name/Trade Name: Acid solution, plastic container  (If trade name is used, attach MSDS)	Land Ban Notification Required? █ Yes □
Process Producing Waster Plating Shop Cleanup	
DOT Shipping Name: Waste Corrosive liquids, n.o.s.	
Packing Group: II Special Provisions:	
EPA Waste Number (s): 10002	
If your waste is not a listed waste (F or K) then circle the hazardous characteristic: Igniti	able Reactive Corrosive Toxic Oxidizer
Are filters present: yes L1 no 12 Physical State at 70°: E1 Solid Chunks	-gal poly container
Visual Description: clear liquid in 5 gal poly container	American NuKEM Representative:
	Rock Hill, SC (803) 329 9690 [ Mahwah, NJ (201) 818 0900 [ Southfield, MI (313) 559 5

4	Check "%" or "ppm." If you use percentages, your total must equal 100%. If you use ppm and do not know exact quantities, you can use words such as "trace" "present." Do not use words such as "unknown" or "not available."
	Specific Gravity: 1 pH: 2
	Chemical Composition in (check one): ☐ % ☐ ppm
	Arsenic NA Barium NA Cadmium NA Chromium NA Chromium (+6) NA Chromium Total NA
	Cobalt Copper Lead Lithium Mercury Nickel
	Cobalt Copper Lead Lithium Mercury Nickel  Silver Zinc Selenium Total Cyanides Total Sulfides Iron
	ATTACH MOST RECENT ANALYTICAL INFORMATION, IF AVAILABLE.
	Oils, Grease NA Organics NA Phenols NA Acids NA Bases NA
	Reactive Under 40CFR261.23? ☐ Yes X☑ No
	Other Components:
5	Other Components and Constituents: If any of the listed constituents are known to be present, insert the amount in weight percent or ppm.
	Are any of the following present:     Tyes   XX   No   If yes, then circle those present.
	Biological Materials Pathogens Etiological Agents Pesticides
	Biological Materials Pathogens Etiological Agents Pesticides   PCB's Dioxins Radioactive Materials
8	PCB's PBB's Dioxins Radioactive Materials
6	PCB's Dioxins Radioactive Materials  List any special handling instructions for the materials that are known to be present.
<b>5</b>	PCB's PBB's Dioxins Radioactive Materials
6	PCB's Dioxins Radioactive Materials  List any special handling instructions for the materials that are known to be present.
6 7	PCB's PBB's Dioxins Radioactive Materials  List any special handling instructions for the materials that are known to be present.  Indicate any special handling instructions:  Provide best available figures.
<b>6</b>	PCB's Dioxins Radioactive Materials  List any special handling instructions for the materials that are known to be present.  Indicate any special handling instructions:  Provide best available figures.
6	PCB's PBB's Dioxins Radioactive Materials  List any special handling instructions for the materials that are known to be present.  Indicate any special handling instructions:  Provide best available figures.
6 7	PCB's Dioxins Radioactive Materials  Lost any special handling instructions for the materials that are known to be present.  Indicate any special handling instructions:  Phowde best available figures.  Approximate Amount of Waste Produced Annually: One time cleanup Amount on Hand:1-5galcontainer
6 7	PCB'sPBB's
6	PCB's PBB's Dioxins Radioactive Materials  Lest any special handling instructions for the materials that are known to be present.  Indicate any special handling instructions:    PBB's Dioxins Radioactive Materials  Indicate any special handling instructions:    PBB's Dioxins Radioactive Materials    PBB's
6 7	PCB'sPBB's

10 Good details of special requirements such as power tail gate, vacuum tankers, etc.

Give wittails of special requirements such as power tail gate, vacuum tankers, etc.	
Transportation Equipment Requirements:	
Provide the name and telephone number of the individual responsible for scheduling wa	iste shipments.
Scheduling Contact: Ken Marks	Telephone: (316) 268-9490

#### GENERAL INFORMATION FOR WSCR

- 1. Instructions for completing CyanoKEM's Waste Stream Characterization Record (WSCR) are above each section. Providing an accurate and complete form assures the most rapid waste approval. For assistance, call CyanoKEM's sales office: (313) 353-5880.
- 2. Regulations require that all the information requested by the WSCR must be provided before wastes can be accepted at CyanoKEM. Complete this form to the best of your knowledge considering the origin and use of the materials.
- 3. A separate WSCR must be completed for each waste sample sent to CyanoKEM.
- 4. Your waste approval will be processed most quickly if you fill out the WSCR completely and accurately. If we find inconsistencies in your

WSCR it must be returned to you for correction and resubmitted for final approval. Alternately, to save time you should authorize CyanoKEM to correct your WSCR by checking "Yes" and signing in Item 11 above. All correc tions will be consistent with the results of sample char acterization and/or regulatory requirements. The mos rapid waste approval will be achieved by authorizing CyanoKEM to make your WSCR corrections. You wil receive a copy of the corrected WSCR for your records.

5. CyanoKEM, Inc., in compliance with 40 CFR 264.12 (b), has the appropriate permit(s) for the waste material(s) as described on this waste stream characterization record CyanoKEM, Inc. will accept such waste material provided that any terms and conditions detailed on the contractu al agreement of our quotation are met.

#### SAMPLE SUBMITTAL

- 1. Remove the pull-off label from the front of this form and attach it to your sample container.
- 2. Use DOT approved packaging.

3. Package this form together with a 16 to 32 ounce sample of your waste stream and send to:

> Approvals Laboratory CyanoKEM Inc. 12381 Schaefer Highway Detroit, MI 48227

12381 Schaefer Highway Telecopy (313) 937, 9020 Petroit Michigan 48227 / (313) 933-1850 FPA Mantherstein + MID nogo 1 (no.)

#### ADDENDUM TO PROFILE

Regulations require that you certify if any of the following constituents are present at characteristic levels in your waste stream. Indicate yes or no for EACH constituent. If analytical is available, please enter this in the actual value space provided.

#### **Characteristic Wastes** YES NO **D001** (characteristic of ignitability as defined in 40 CFR 261.21 (a) (4) (Oxidizer)) **D002** (characteristic of corrosivity as defined in YES' NO 40 CFR 261.22) Herbicide/Pesticide Wastes Characteristic Level (ppm) **Actual Va** YES 'NO ) (characteristic of reactivity as defined in D003 40 CFR 26 L23 (a) (2), (4), (5)) **D012** Endrin (1, 2, 3, 4, 10, 0.02 YES NO 10- hexachloro-1, 7epoxy 1, 4, 4a, 5, 6, 7, 8. 8a-octahydro-1, 4-endo, endo-5, 8-dimethanonaphthalene.) **Actual Value Metal Wastes** Characteristic Level (ppm) YES **D013** Lindane (1,2,3,4,5, 04 NO 6-Hexa-D004 (Arsenic) 50 YES NO chlorocyclohexane. gamma isomer.) D005 (Barium) 100.0 YES NO YES NO D014 Methoxychlor (1,1, 10.0 1-Trichloro-2, 2-bis (p-D006 (Cadmium) 10 YES NO methoxy-phenyl) lethane.) D007 (Chromium) 50 YES MO D015 Toxaphene (Cio, Hio, 0.5 YES 10 Cla Technical **D008** (Lead) 50 YES. 110 chlorinated camphene, 67-69 D009 (Mercury) 0.2 YES NO percent chlorine.) D010 (Selenium) 10 YES 110 **D016** 2, 4-D, (2,4-Dichloro-10.0 YES NO phenoxyacetic acid) **D011** (Silver) 50 YES NO **D017** 2, 4, 5-1P Silvex (2.4, 1.0 YES NO 5-Trichlorophenoxypr

opionic acid.)

Organ	ic Toxicity Wastes	Characteristic L	₋evel (ppm)		Actual Value	Organ	ic Toxicity Wastes	Characteristic Leve	el (ppm)	ſ	Actual Value
DO18	(Benzene)	0.5	YES	NO	the second secon	D031	(Heptachlor) (and its hydroxide)	0.008	YES	NO	
DO 19	(Carbon Tetrachloride)	0.5	YES	NO		D032	(Hexachlorobenzene)	0.13	YES	NO	
0020	(Chlordane)	0.03	YES	NO		D033	(Hexachlorobutadiene)	) 0.5	YES	NO	
0021	(Chlorobenzene)	100.0	YES	NO		D034	(I lexachloroethane)	3.0	YES	NO	
0022	(Chloroform)	6.0	YES	NO		D035	(Methyl ethyl ketone)	200.0	YES	NO	
0023	(o-Cresol)	200.0	YES	NO		D036	(Nitrobenzene)	2.0	YES	10	****
0024	(m-Cresol)	200.0	YES	NO		D037	(Pentachlorophenol)	100.0	YES	NO	
0025	(p-Cresol)	200 0	YES	NO		D038	(Pyridine)	5.0	YES	NO :	
026	(Cresol)	500 O	YES	NO .		D039	(Tetrachlorethylene)	0.7	YES	NO	
027	(1,4-Dichlorobenzene)	7.5	YES	NO	Control of Control of Control of Control	D040	(Trichlorethylene)	0.5	YES	NO	
028	(1,2-Dichloroethane)	0.5	YES	ИО		D041	(2,4,5-Trichlorophenol)	400.0	YES	NO	
029	(1,1-Dichloroethylene)	0.7	YES	NO		D042	(2,4,6-Trichlorophenol)	2.0	YES	10	
030	(2,4-Dinitrotoluene)	0.13	YES	NO		D043	(Vinyl chloride)	0.2	YES	110	
										_	

check. Yes, and initial this section if you want CyanoKEM to correct any inconsistencies. The most rapid waste approval will be achieved by authorizing CyanoKEM to make your WSCR is included. All corrections will be consistent with the results of sample characterization and/or regulatory requirements. You will receive a copy of the corrected WSCR for your records. If you do not authorize CyanoKEM to make corrections, WSCR's must be returned to you for your correction and resubmitted for final approval. This extends your waste approval time.

Authorization to Correct WSCR: I authorize CyanoKEM to make corrections to this WSCR Form, such corrections being consistent with the results of sample characterization and/or regulatory requirements of Michigan DNR or EPA. I understand that a corrected copy will be sent to me. Yes W No CI Initial:

NOTE: Any significant changes or deviations from the waste received versus the information on this form requires amendment.

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Must be signed by the appropriate personnel representing the company denerating of handling the waste.

JERRY L. GOVEY

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#### CyanoKEM

#### WASTE STREAM CHARACTERIZATION RECORD

Regulations require generators and/or brokers to fully complete this Waste Stream Characterization Record before wastes can be accepted for treatment.

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**EPA Identification Number: MID098011992** 

**Waste Lab Control Number:** 

C- 80910

All items on each page must be completed. This includes the Addendum to Profile on pages 4 and 5. Remember to sign section 13 on the WSCR as well as the "Generator Certification" at the bottom of the Addendum. This will assure you the most rapid waste approval. Please send original paperwork with sample.

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PLEASE SUBMIT THE COMPLETED FORM ANI A 16-10-32 OUNCE SAMPLE OF THE WAST STREAM TO: Approvals Laboratory, CyanoKEN 1238 L Schaefer Hwy, Detroit, MI 48227

	Generator Information: Provide generator's USEPA indentification number, name, address, contact person and agency representing a generator, regulations require you to provide the name of the generator.	telephone number — If you are a broker, service company or resolutor, traffer in this section.
	Generator ID # NED 0 0 0 8 2 9 7 5 4 Name Union Pacific Railro	ad Company
	Address 1416 Dodge St City Omaha	State NE Zip Code 68179
	Official Contact	
2	Broker Information: If you are a broker, service company or regulatory agency representing a generator, provide you	our name, address, telephone number and contact person in this section
	Name: USPCI Official Contact: Ken Marks Telephone: ( 316	) 268-9490 Fax: (316 ) 268-9418
	Name: USPCI Official Contact: Ken Marks Telephone: ( 316  Address: 2549 N. New York City: Wichita	State: KS Zip: 67219
	Gen. ID: KSD007246846	
3	Waste Description: Fill in all of the blanks in this section to the best of your knowledge. If "other" is checked, insert	a brief description in the space provided.
	Common Chemical Name/Trade Name: Acid solution, debris, plating tank (If trade name is used, attach MSDS)	Land Ban Notification Required? Yes D No
	Process Producing Waste:plating_shop_cleanup	
	DOT Shipping Name: Waste Corrosive liquids, n.o.s.	DOT Hazard Class: 8 UN/NA # UN1760
	Packing Group: IT Special Provisions:	
	EPA Waste Number(s): none OODA, DODA, OODD	
	If your waste is not a listed waste (F or K) then circle the hazardous characteristic: Ignit	able Reactive (Corrosive Toxic Oxidizer
	Are filters present: yes □ no ី🖟	
	Physical State at 70°: 🗆 Solid Chunks 🕒 Solid Monolith 📑 Sludge 💢 Liquid Other (explain):	
	Visual Description: yellow, oily liquid, debris in a plating shop	American NuKEM Representative:
		Rock Hill, SC (803) 329-9690 Mahwah, NJ (201) 818-0900 Southfield, MI (313) 559-5900

4	Chemical Composition Check "6," or "ppm." If you use percentages, your total must equal 100%. If you use ppm and do not know exact quantities, you can use words such as "trace" or "present." Do not use words such as "unknown" or not available."								
	Specific Gravity: 1.0 pH: 2								
	Chemical Composition in (check one): ☐ % ☐ ppm								
	Arsenic NA Barium NA Cadmium NA Chromium NA Chromium (+6) NA Chromium Total NA								
	Cobalt Copper Lead Lithium Mercury Nickel								
`	Silver Zinc Selenium Total Cyanides Total Sulfides Iron								
	ATTACH MOST RECENT ANALYTICAL INFORMATION, IF AVAILABLE.								
	Oils, Grease NA Organics NA Phenols NA Acids NA Bases NA								
	Reactive Under 40CFR261.23?  Yes XXI No								
	Other Components:								
5	Other Components and Constituents: If any of the listed constituents are known to be present, insert the amount in weight percent or ppm.								
	Are any of the following present:   Yes XX No If yes, then circle those present.								
	Biological Materials Pathogens Etiological Agents Pesticides								
	PCB's Radioactive Materials								
6	List any special thandling instructions for the materials that are known to be present.								
	Indicate any special handling instructions:								
7	Provide best available figures.								
	Approximate Amount of Waste Produced Annually: one time cleanup Amount on Hand: 1 plating tank								
8	Check appropriate box, fill in blank(s). IF "other," describe. List all container sizes.								
	YM -								
	Packaging for Shipment: 州Drums (size) various gallons (weight) pounds XX Bulk □ Other:								
9	Please provide your standard industrial code in the space provided.								
	Standard Industrial Code (SIC): 4011								
	Standard industrial Code (SIC):								
	The state of the s								

	The state of the spine ment of the property control of the state of th							
içF.	Transportation Equipment Requirements:		F Per					
Ü	$P^{\perp}$ . To the name and telephone number of the individual responsible fo	r scheduling waste shipments.	and the state of t					

**Scheduling Contact:** 

Ken Marks

Telephone: (316)268-9490

#### GENERAL INFORMATION FOR WSCR

- 1. Instructions for completing CyanoKEM's Waste Stream Characterization Record (WSCR) are above each section. Providing an accurate and complete form assures the most rapid waste approval. For assistance, call CyanoKEM's sales office: (313) 353-5880.
- 2. Regulations require that all the information requested by the WSCR must be provided before wastes can be accepted at CyanoKEM. Complete this form to the best of your knowledge considering the origin and use of the materials.
- 3. A separate WSCR must be completed for each waste sample sent to CyanoKEM.
- 4. Your waste approval will be processed most quickly if you fill out the WSCR completely and accurately. If we find inconsistencies in your

- WSCR it must be returned to you for correction and resubmitted for final approval. Alternately, to save time you should authorize CyanoKEM to correct your WSCR by checking "Yes" and signing in Item 11 above. All corrections will be consistent with the results of sample characterization and/or regulatory requirements. The most rapid waste approval will be achieved by authorizing CyanoKEM to make your WSCR corrections. You will receive a copy of the corrected WSCR for your records.
- 5. CyanoKEM, Inc., in compliance with 40 CFR 264.12 (b), has the appropriate permit(s) for the waste material(s) as described on this waste stream characterization record. CyanoKEM, Inc. will accept such waste material provided that any terms and conditions detailed on the contractual agreement of our quotation are met.

#### SAMPLE SUBMITTAL

- 1. Remove the pull-off label from the front of this form and attach it to your sample container.
- 2. Use DOT approved packaging.

3. Package this form together with a 16 to 32 ounce sample of your waste stream and send to:

Approvals Laboratory CyanoKEM Inc. 12381 Schaefer Highway Detroit, MI 48227

U#	 

12381 Schaefer Highway Telecopy (313) 933, 50,50 Potroit 14 - Marin 48227 (3.13) 932-1850 FPA Mondification (MMD) (1950) 1902

APPROVAL W#	
APPROVAL W#	

#### ADDENDUM TO PROFILE

Regulations require that you certify if any of the following constituents are present at characteristic levels in your waste stream. Indicate <u>yes</u> or <u>no</u> for EACH constituent. If analytical is available, please enter this in the actual value space provided.

Charac	cteristic Wastes	<b>3</b>									
D001					YES (NO)						
D002	• • • • • • •			(	YES NO						
D003		cteristic of reactivity as defined in R 261.23 (a) (2), (4), (5))		YES (NO)		Herbicide/Pesticide Wastes Characteristic Level (ppm)				· '	Actual Valu
						D012	Endrin (1, 2, 3, 4, 10, 10- hexachloro-1, 7- epoxy-1, 4, 4a, 5, 6, 7, 8, 8a-octahydro-1, 4-endo, endo-5, 8-dimethano-naphthalene.)	0.02	YES	NO	
Metal Wastes		Characteristic Level (p	pm)		Actual Value						
D004	(Arsenic)	5.0	YES	,ŃO		D013	Lindane (1,2,3,4,5, 6-Hexa- chlorocyclohexane,	0.4	YES	NO	······································
D005	(Barium)	100.0	YES	1 400			gamma isomer.)				
<b>D006</b>	(Cadmium)	10	YES	NO		D014	Methoxychlor (1,1, 1-Trichloro-2, 2-bis (p- methoxy-phenyl) lethane.)	10.0	YES	NO	***************************************
D007	(Chromium)	5.0	YES	140		5045	,	0.5	VEO		
D008	(Lead)	's ()	71.8	110		DO15	Cla Technical chlorinated	0.5	YES	NO	<del></del>
D009	(Mercury)	0.2	YES	NO			camphene, 67-69 percent chlorine.)				
DO 10	(Selenium)	10	YES	NO		D016	2, 4-D, (2,4-Dichloro- phenoxyacetic acid.)	10.0	YES	NO	
D011	(Silver)	5.0	YES	NO						\ /	
			and the state of t		· · · · · · · · · · · · · · · · · · ·	D017	2, 4, 5-TP Silvex (2,4, 5-Trichlorophenoxypr popionic acid.)	1.0	YES	NO	
			CONT.	1		COLD A CARRY		The breen	Dec .		

Organic	: Toxicity Wastes	Characteristic L	evel (ppm)		Actual Value	Organ	lc Toxicity Wastes	Characteristic Leve	el (ppm)		Actual Value
D018	(Benzene)	0.5	YES	ON		D031	(Heptachlor) (and its hydroxide)	0.008	YES	NO	<del></del>
<b>D</b> 019	(Carbon Tetrachloride	0.5	YES	NO	<del></del>	D032	(Hexachlorobenzene)	0.13	YES	NO \	
<b>D</b> 020	(Chlordane)	0.03	YES	NO		D033	(Hexachlorobutadiene)	0.5	YES	NO	
DO21	(Chlorobenzene)	100.0	YES	NO		D034	(Hexachloroethane)	3.0	YES	NO	
D022	(Chloroform)	6.0	YES	NO		D035	(Methyl ethyl ketone)	200.0	YES	NO	
D023	(o-Cresol)	200.0	YES	NO		D036	(Nitrobenzene)	2.0	YES	NO	
D024	(m-Cresol)	200.0	YES	NO		D037	(Pentachlorophenol)	100.0	YES	NO	
DO25	(p-Cresol)	200.0	YES	NO		D038	(Pyridine)	5.0	YES	NO	
0026	(Cresol)	200.0	YES	NO		D039	(Tetrachlorethylene)	0.7	YES	NO	
0027	(1,4-Dichlorobenzene)	7.5	YES	NO		D040	(Trichlorethylene)	0.5	YES	NO	<del></del>
0028	(1,2-Dichloroethane)	0.5	YES	NO		D041	(2,4,5-Trichlorophenol)	400.0	YES	МО	
029	(1,1-Dichloroethylene)	0.7	YES	NO		D042	(2,4,6-Trichlorophenol)	2.0	YES	NO	
030	(2,4-Dinitrotoluene)	0.13	YES	NO		D043	(Vinyl chloride)	0.2	YES	NO	

back. Yes, and initial this section if you want CyanoKEM to correct any inconsistencies, The most rapid waste approval will be achieved by authorizing CyanoKEM to make your WSCR organ tions. All corrections will be consistent with the results of sample characterization and/or regulatory requirements. You will receive a copy of the corrected WSCR for your records. If you de not authorize CyanoKEM to make corrections. WSCR's must be returned to you for your correction and resubmitted for final approval. This extends your waste approval time

Authorization to Correct WSCR: I authorize CyanoKEM to make corrections to this WSCR Form, such corrections being consistent with the results of su characterization and/or regulatory requirements of Michigan DNR or EPA. I understand that a corrected copy will be sent to me. Yes 11 No □ Initial: ≤

NOTE: Any significant changes or deviations from the waste received versus the information on this form requires amendment.

Must be signed by the appropriate personnel representing the company generating or handling the waste.

ENERATOR CERTIFICATION 11 On the Control of the Con

Signature JUNY LOVEY THE CONEY THE MASS COMPAN MEANS

**12381 Schaefer Highway Telecopy** (313) 933-5020

Detroit, Michi nn 48227 / (313) 933-1850 FPA Monthly Itinn #MID 03901 1992

U#	
APPROVAL W#	

#### ADDENDUM TO PROFILE

Regulations require that you certify if any of the following constituents are present at characteristic levels in your waste stream. Indicate <u>yes</u> or <u>no</u> for EACH constituent. If analytical is available, please enter this in the actual value space provided.

#### **Characteristic Wastes**

D001	(characteristic of 40 CFR 261.21 (	ignitability as defined in (a) (4) (Oxidizer))		Y	ES (NO)						•
D002	(characteristic of 40 CFR 261.22)	corrosivity as defined in		į Yl	ES) NO						
D003	(characteristic of 40 CFR 261.23 (	reactivity as defined in a) (2), (4), (5))		YI	ES NO	Herbic	ide/Pesticide Wastes Cha	racteristic Le	vel (ppm)		Actual Va
	·					DO12	Endrin (1, 2, 3, 4, 10, 10- hexachloro-1, 7- epoxy-1, 4, 4a, 5, 6, 7, 8, 8a-octahydro-1, 4-endo, endo-5, 8-dimethano-naphthalene.)	0.02	YES	/ NO	
Metal '	Wastes	Characteristic Level (pp	om)		Actual Value				_		
D004	(Arsenic)	5.0	AES	NO		D013	Lindane (1,2,3,4,5, 6-Hexa- chlorocyclohexane, gamma isomer.)	0.4	YES	NO	
D005	(Barium)	100.0	YES	NO			gamma isomer.)				
D006	(Cadmium)	10	YES	140		D0 14	Methoxychlor (1,1, 1-Trichloro-2, 2-bis (p- methoxy-phenyl)	10.0	YES	NO	
D007	(Chromium)	5.0	YES	NO	*** * *** *** ***		lethane.)				
D008	(Lead)	5.0	YES	100		D015	Toxaphene (Cio, Hio, Cla Technical chlorinated	0.5	YES	NO	
D009	(Mercury)	0.2	YES	110	to the same of district.		camphene, 67-69 percent chlorine.)		·		
D010	(Selenium)	10	YES	ИО		D016	2, 4-D, (2,4-Dichloro- phenoxyacetic acid.)	100	YES	NO	
D011	(Silver)	50	YES	NO						}	
				.* 		D017	2, 4, 5-TP Silvex (2,4, 5-Trichlorophenoxypr opionic acid.)	1.0	YES	NO	

Organ	ic Toxicity Wastes	Characteristic	Level (ppm)		Actual Value		Organi	c Toxicity Wastes	Characteristic Lev	vel (ppm)		Actual Value
D018	(Benzene)	0.5	YES	NO			D031	(Heptachlor) (and its hydroxide)	0.008	YES	NO	<del></del>
DO19	(Carbon Tetrachloride	0.5	YES	NO			D032	(Hexachlorobenzene)	0.13	YES	NO	
<b>D</b> 020	(Chlordane)	0.03	YES	NO			D033	(Hexachlorobutadiene)	0.5	YES	NO	
D021	(Chlorobenzene)	100.0	YES	NO			D034	(Hexachloroethane)	3.0	YES	NO	
D022	(Chloroform)	6.0	YES	NO	1		D035	(Methyl ethyl ketone)	200.0	YES	NO	
D023	(o-Cresol)	200.0	YES	NO			D036	(Nitrobenzene)	2.0	YES	NO	
D024	(m-Cresol)	200.0	YES	NO			D037	(Pentachlorophenol)	100.0	YES	NO	
D025	(p-Cresol)	200.0	YES	NO			D038	(Pyridine)	5.0	YES	NO	
D026	(Cresol)	200.0	YES	NO			D039	(Tetrachlorethylene)	0.7	YES	NÜ	
D027	(1,4-Dichlorobenzene)	7.5	YES	NO		1	D040	(Trichlorethylene)	0.5	YES	NO	
D028	(1,2-Dichloroethane)	0.5	YES	NO	-	I	D041	(2,4,5-Trichlorophenol)	400.0	YES	NO	
D029	(1,1-Dichloroethylene)	0.7	YES	NO		ı	D042	(2,4,6-Trichlorophenol)	2.0	YES	NO	<del></del>
<b>D</b> 030	(2,4-Dinitrotoluene)	0.13	YES	NO,			D043	(Vinyl chloride)	0.2	YES	NO	

Check—Yes" and initial this section if you want CyanoKEM to correct any inconsistencies. The most rapid waste approval will be achieved by authorizing CyanoKEM to make your WSCR corrections. All corrections will be consistent with the results of sample characterization and/or regulatory requirements. You will receive a copy of the corrected WSCR for your records. If you do not authorize CyanoKEM to make corrections, WSCR's must be returned to you for your correction and resubmitted for final approval. This extends your waste approval time.

Authorization to Correct WSCR: I authorize CyanoKEM to make corrections to this WSCR Form, such corrections being consistent with the results of sample characterization and/or regulatory requirements of Michigan DNR or EPA. I understand that a corrected copy will be sent to me. Yes NO I Initial:

NOTE: Any significant changes or deviations from the waste received versus the information on this form requires amendment.

13 Must be signed by the appropriate personnel representing the company generating or handling the waste.

GENERATOR CERTIFICATION - The first world, that all of some a limit of the first two might be able to a mining from the larger of the sole of the control of th

Signature Leavy Lacoy

JERRY L. COVET

Mes Compl Mes

## CyanoKEM

### WASTE STREAM CHARACTERIZATION RECORD

Regulations require generators and/or brokers to fully complete this Waste Stream Characterization Record before wastes can be accepted for treatment.

AMERICAN
N LI K E M

EPA Identification Number: MID0980 11992

**Waste Lab Control Number:** 

C- 82700

All items on each page must be completed. This includes the Addendum to Profile on pages 4 and 5. Remember to sign section 13 on the MSCR as well as the "Generator Certification" at the bottom of the Addendum. This will assure you the most rapid waste approved the ment end original paperwork with sample.

W 22421 93019 116 1155

PLEASE SUBMIT THE COMPLETED FORM AND A 16-TO 32 OUNCE SAMPLE OF THE WASTE STREAM TO: Approvals Laboratory, CyanoKEM, 1038 L Schaefer Hwy, Detroit, MI 48227

Generator Information: Provide generator's USEPA indentification number, name, address, contact person and tagency representing a generator, regulations require you to provide the name of the generator.	telephone number — If you are a broker, service company or regulatory rator in this section.
Generator ID # NED 0 0 0 8 2 9 7 5 4 Name Union Pacific Rai	
Address 1416 Dodge St City Omaha	State NE Zip Code 68179
Official Contact Jerry Covey Title Manager Compliance Measures Telephone	
Broker Information: If you are a broker, service company or regulatory agency representing a generator, provide you	ur name, address, telephone number and contact person in this section.
Name: USPCI Official Contact: Ken Marks Telephone: ( 316	6) <u>268-9490</u> Fax: ( 316 ) <u>268-9418</u>
Address: 2549 N. New York City: Wichita	State: KS Zip: 67219
Gen. ID: K S D 0 0 7 2 4 6 8 4 6	
Waste Description: Fill in all of the blanks in this section to the best of your knowledge. If "other" is checked, insert	a brief description in the space provided.
Acid colution plating tank	<b></b>
Common Chemical Name/Trade Name: Acid solution, plating tank (If trade name is used, attach MSDS)	Land Ban Notification Required? A Yes
Common Chemical Name/Trade Name:	Land Ban Notification Required? A Yes □ No
(If trade name is used, attach MSDS)	
Process Producing Waste: Plating Shop Cleanup	DOT Hazard Class:8UN/NA # <u>UN1760</u>
Process Producing Waste:  Plating Shop Cleanup  DOT Shipping Name:  Waste Corrosive liquids, n.o.s.	DOT Hazard Class:8UN/NA #UN1760
Process Producing Waste:  Plating Shop Cleanup  DOT Shipping Name:  Waste Corrosive liquids, n.o.s.  Packing Group:  Special Provisions:	DOT Hazard Class:8UN/NA #UN1760
Process Producing Waste:  Plating Shop Cleanup  DOT Shipping Name:  Waste Corrosive liquids, n.o.s.  Packing Group:  Special Provisions:  EPA Waste Number(s):  D002	DOT Hazard Class:8UN/NA #UN1760
Process Producing Waste:  Plating Shop Cleanup  DOT Shipping Name:  Waste Corrosive liquids, n.o.s.  Packing Group:  Special Provisions:  EPA Waste Number(s):  D002  If your waste is not a listed waste (F or K) then circle the hazardous characteristic: Ignital Are filters present: yes  no  X	DOT Hazard Class:8UN/NA #UN1760

4	Chercical Composition Check "6" or "ppm." If you use percentages, your total must equal 100%. If you use ppm and do not know exact quantities, you can use we "present." Do not use words such as "unknown" or "not available."	ırisisiddə də Mərəfətə (Mərəfətə (Mərəfətə)
	Specific Gravity: 1.0 pH: 2	
	Chemical Composition in (check one): ☐ % ☐ ppm	
	Arsenic NA Barium NA Cadmium NA Chromium NA Chromium (+6) NA Chromium	m Total <u>NA</u>
	Cobalt Copper Lead Lithium Mercury Nickel	
	Silver Zinc Selenium Total Cyanides Total Sulfides Iron	
	ATTACH MOST RECENT ANALYTICAL INFORMATION, IF AVAILABLE.	
	Oils, Grease NA Organics NA Phenols NA Acids NA Bases	NA
	Reactive Under 40CFR261.23? ☐ Yes X No	
	Other Components:	
5	Other Components and Constituents: If any of the listed constituents are known to be present, insert the amount in weight percent or ppm.	
	Are any of the following present:   Yes XX No If yes, then circle those present.	
	Biological Materials Pathogens Etiological Agents Pesticides	
	PCB's PBB's Dioxins Radioactive Materials	
6	List any special handling instructions for the materials that are known to be present.	
	Indicate any special handling instructions:	
	indicate any special flanding instructions.	
7	Fronde best available figures.	
	Approximate Amount of Waste Produced Annually: one time cleanup Amount on Hand: 1 plating tank	
-		
8	Check appropriate box, fill in blank(s), IF "other," describe. List all container sizes.	
	Packaging for Shipment: Mi Drums (size) various gallons (weight) pounds Mi U Other:	
9	Please provide your standard industrial code in the space provided.	la.
	Standard Industrial Code (SIC): 4011	
	Standard Industrial Code (SIC):	
100		The state of the s

case details of special requirements such as power tail gate, vacuum tankers, etc.

1C-	Give details of special requi	rements such as power tail	gate. vacuum tankers. etc.	
	Transportation Equipm	ent Requirements:		·
	Provide the name and telepl	hone number of the individu	ral responsible for scheduling waste shipments.	Aller or steel
	Scheduling Contact:	Ken Marks	Telephone:	(316) 268-9490

#### GENERAL INFORMATION FOR WSCR

- 1. Instructions for completing CyanoKEM's Waste Stream Characterization Record (WSCR) are above each section. Providing an accurate and complete form assures the most rapid waste approval. For assistance, call CyanoKEM's sales office: (313) 353-5880.
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#### SAMPLE SUBMITTAL

- 1. Remove the pull-off label from the front of this form and attach it to your sample container.
- 2. Use DOT approved packaging.

3. Package this form together with a 16 to 32 ounce sampl of your waste stream and send to:

### CyanoKEM

### WASTE STREAM CHARACTERIZATION RECORD

Regulations require generators and/or brokers to fully complete this Waste Stream Characterization Record before wastes can be accepted for treatment.

AMERICAN
N LA K E M

EPA Identification Number: MID098011992

**Waste Lab Control Number:** 

**C-** 82811

NOTE: NOTE: All items on each page must be completed. This includes the Addendum to Profile on pages 4 and 5.

Remember to sign section 13 on the WSCR as well as the "Generator Certification" at the bottom of the Addendum. This will assure you the most rapid waste approval. Please send original page work with sample.

PLEASE SUBMIT THE COMPLETED FORM A 16 TO 32 OUNCE SAMPLE OF THE W/ STREAM TO: Approvals Laboratory, Cyanol 12381 Schaefer Hwy, Detroit, MI 48227

	approval, ricaso s <b>enc</b>	r ongmar pape	awork with sample	-						
1	Generator Information: Program	ovide generato ency representi	r's USEPA indentifica ng a generator, regul	tion number, nations require y	ame, address, conto ou to provide the na	ict person and ime of the gener	telephone number — If yo rator in this section.	u are a broker, s	ervice compan	y or regula
	Generator ID # N E D 0 0	08297	7 5 4	Name	Union Pacif	ic Railroa	nd Company		ı	153.
	Address 1416 Dodg	e St		City	Omaha		State NE	Zip Code 6	8179	
	Official Contact   Jerry C	ovey	Title Manag	er Complia	ance Measures	Telephone	(402) 271-4037	Fax		
2	Broker Information: If you a	re a broker, serv	vice company or regu	latory agency r	epresenting a gene	rator, provide yo	ur name, address, telepho	ne number and co	ontact person (	n this section
	Name: USPCI		Official Contact:	Ken Marks	Telep	ohone: ( 316	) 268-9490	Fax: ( <sup>316</sup>	)	9418
	Name: USPCI Address: 2549 N. New	York		City:	Wichita		State:KS	Zip:	67219	
	Gen. ID: K S D 0 0 7 2	4 6 8 4 6	· )					·		
3	Waste Description: Fill in all	of the blanks in	this section to the be	est of your know	wledge. If "other" is	checked, insert	a brief description in the s	pace provided.		
	Common Chemical Name/Tra (If trade name is used, attach MSDS)	ade Name:	sludge, deb	ris in flo	or pit		Land B	an Notification	Required? □	Yes L
	Process Producing Waste:	plating s	shop cleanup							
	DOT Shipping Name:	Nonregula	ited per 40 &	49 CFR			_ DOT Hazard Class: .	NA U	N/ <b>NA</b> #	NA
	Packing Group:	NA			Special Provision	ns:				
	EPA Waste Number(s): no									
	If your waste is	s not a listed v	waste (F or K) the	n circle the h	azardous charact	eristic: Ignita	ible Reactive Corro	sive Toxic C	)xidizer	
	Are filters present: yes □ n	0 <b>%</b>								
	Physical State at 70°XX Solid	Chunks E	Solid Monolith X	≴〕Sludge	□ Liquid Othe	r (explain):				
	Visual Description: brown	sludge, d	lebris in a fl	oor pit			American	NuKEM Re	presenta	ative:
							☐ Rock Hill, SC (803) 329-9690	☐ Mahwah, NJ (201) 81	8 0900 Southfiel	d, MI (313) 559-5

4	Chemical Composition Check "%" or "ppm." If you use percentages, your total must equal 100%. If you use ppm and do not know exact quantities, you can use words such as "trace" a "present." Do not use words such as "unknown" or "not available."
	Specific Gravity: NA pH: 8.9
	Chemical Composition in (check one): ☐ % ☐ ppm
	Arsenic NA Barium NA Cadmium NA Chromium NA Chromium (+6) NA Chromium Total NA
	Cobalt Copper Lead Lithium Mercury Nickel
	Silver Zinc Selenium Total Cyanides Total Sulfides Iron
	ATTACH MOST RECENT ANALYTICAL INFORMATION, IF AVAILABLE.
	Oils, Grease NA Organics NA Phenols NA Acids NA Bases NA
	Reactive Under 40CFR261.23? ☐ Yes ☐ No
	Other Components:
5	Other Components and Constituents: If any of the listed constituents are known to be present, insert the amount in weight percent or ppm.
	Are any of the following present:   Yes XX No If yes, then circle those present.
	Biological Materials Pathogens Etiological Agents Pesticides
	PCB's PBB's Dioxins Radioactive Materials
6	Lest any special handling instructions for the materials that are known to be present.
U	continuity pedian narradinary management and the national development and the present
	Indicate any special handling instructions:
7	Proxide best available figures.
	Approximate Amount of Waste Produced Annually: one time cleanup Amount on Hand: approx. 6' x 10' pit
8	Check appropriate box, fill in blank(s), IF "other," describe. List all container sizes.
	Packaging for Shipment: MDrums (size) various gallons (weight) pounds MBulk Other:
9	Please provide your standard industrial code in the space provided.
	Standard Industrial Code (SIC): 4011

10	Give details of special requirements such as p	ower tail gate, vacuum tankers, etc.		
	Transportation Equipment Requireme	nts:		
Œ	Provide the name and telephone number of the	ne individual responsible for scheduling waste shipments		
	Scheduling Contact:	Ken Marks	Telephone:	(316) 268-9490

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- 2. Regulations require that all the information requested by the WSCR must be provided before wastes can be accepted at CyanoKEM. Complete this form to the best of your knowledge considering the origin and use of the materials.
- 3. A separate WSCR must be completed for each waste sample sent to CyanoKEM.
- .. Your waste approval will be processed most quickly if you fill out the WSCR completely and accurately. If we find inconsistencies in your

- WSCR it must be returned to you for correction and resubmitted for final approval. Alternately, to save time you should authorize CyanoKEM to correct your WSCR by checking "Yes" and signing in Item 11 above. All corrections will be consistent with the results of sample characterization and/or regulatory requirements. The most rapid waste approval will be achieved by authorizing CyanoKEM to make your WSCR corrections. You will receive a copy of the corrected WSCR for your records.
- 5. CyanoKEM, Inc., in compliance with 40 CFR 264.12 (b), has the appropriate permit(s) for the waste material(s) as described on this waste stream characterization record CyanoKEM, Inc. will accept such waste material provided that any terms and conditions detailed on the contractual agreement of our quotation are met.

#### SAMPLE SUBMITTAL

- . Remove the pull-off label from the front of this form and attach it to your sample container.
- . Use DOT approved packaging.

3. Package this form together with a 16 to 32 ounce sample of your waste stream and send to:

U#	

**Actual Va** 

12381 Schaefer Highway Telecopy (313) 933-5020 GML 8.8 (1.18) 7 V22M medal M. N. of P. C. V22M medal M. Of P. C. V22M medal M. N. of P. C. V22M medal M. Of P. C. V22M medal M. N. of P. C. V22M medal M. Of P. C. V22M

APPROVAL W# \_

#### ADDENDUM TO PROFILE

Regulations require that you certify if any of the following constituents are present at characteristic levels in your waste stream. Indicate <u>yes</u> or <u>no</u> for EACH constituent. If analytical is available, please enter this in the actual value space provided.

#### **Characteristic Wastes**

D001	(characteristic of ignitability as defined in 40 CFR 261.21 (a) (4) (Oxidizer))	YES	NO
D002	(characteristic of corrosivity as defined in 40 CFR 261.22)	YES	NO /
D003	(characteristic of reactivity as defined in	YES	/NO/

Metal \	Wastes	Characteristic Leve	l (ppm)		Actual Value
D004	(Arsenic)	5.0	YES	. NO	
D005	(Barium)	100.0	YES	NO:	THE S. P. SHEWS OF WASSERS MINER LANGE VIEW
D006	(Cadmium)	1.0	YES	NO	*** **** **** **** ********************
D007	(Chromium)	50	YES	ИО	
B000	(Lead)	5.0	YES	1 OM	
D009	(Mercury)	0.2	YES	Ю	
DO 10	(Selenium)	10	YES	NO	
D011	(Silver)	5.0	YES	NO	
				ž.	

Herbic	ide/Pesticide Wastes Cha	aracteristic Lev	el (ppm)	
DO 12	Endrin (1, 2, 3, 4, 10, 10- hexachloro-1, 7- epoxy-1, 4, 4a, 5, 6, 7, 8, 8a-octahydro-1, 4-endo, endo-5, 8-dimethano-naphthalene.)	0.02	YES	NO
D013	Lindane (1,2,3,4,5, 6-Hexa- chlorocyclohexane, gamma isomer.)	0.4	YES	NO
DO 14	Methoxychlor (1,1, 1-Trichloro-2, 2-bis (p- methoxy-phenyl) lethane.)	10.0	YES	NO
D015	Toxaphene (Cho, Hho, Cho Technical chlorinated camphene, 67-69 percent chlorine.)	0.5	YES	NO
DO 16	2, 4-D, (2,4-Dichloro- phenoxyacetic acid.)	10.0	YES	NO
D017	2, 4, 5-TP Silvex (2,4, 5-Trichlorophenoxypi opionic acid.)	10	YES	ho

	ic Toxicity Wastes	Characteristic Lev	vel (ppm)		Actual Value	Organ	nic Toxicity Wastes	Characteristic Lev	el (ppm)		Actual Value
3	( <b>Benz</b> ene)	0.5	YES	NO		D031	(Heptachlor) (and its hydroxide)	0.008	YES	NO	***
	(Carbon Tetrachloride)	0.5	YES	NO	*****	D032	(Hexachlorobenzene)	0.13	YES	NO	
	(Chlordane)	0.03	YES	NO		D033	(Hexachlorobutadiene)	9) 0.5	YES	NO	
1	(Chlorobenzene)	100.0	YES	NO		D034	(Hexachloroethane)	3.0	YES	NO	
10022	(Chloroform)	6.0	YES	NO	1	D035	(Methyl ethyl ketone)	200.0	YES	NO	
<b>D</b> 023	(o-Cresol)	200.0	YES	NO		D036	(Nitrobenzene)	2.0	YES	NO	
D024	(m-Cresol)	200.0	YES	NO	***	D037	(Pentachlorophenol)	100.0	YES	NO	
D025	(p-Cresol)	200.0	YES	√NO 1	<u> </u>	D038	(Pyridine)	5.0	YES	NO	
D026	(Cresol)	200.0	YES	NO		D039	(Tetrachlorethylene)	0.7	YES	NO	
D027	(1,4-Dichlorobenzene)	7.5	YES	NO		D040	(Trichlorethylene)	0.5	YES	NO	
D028	(1,2-Dichloroethane)	0.5	YES	NO		D041	(2,4,5-Trichlorophenol)	) 400.0	YES	NO	
D029	(1,1-Dichloroethylene)	0.7	YES	NO		D042	(2,4,6-Trichlorophenol)	) 2.0	YES	NO /	
D030	(2,4-Dinitrotoluene)	0.13	YES	NO /		D043	(Vinyl chloride)	0.2	YES	NO	
				- 1						` /	l l

12

Sharp Lead of this section if you want CyanoKEM to correct any inconsistencies. The most rapid waste approval will be achieved by authorizing CyanoKEM to make your WSCI and for some All corrections will be consistent with the results of sample characterization and or regulatory requirements. You will receive a copy of the corrected WSCR for your received to not authorize CyanoKEM to make corrections. WSCR's must be returned to you for your correction and resubmitted for final approval. This extends your waste approval time

Authorization to Correct WSCR: I authorize CyanoKEM to make corrections to this WSCR Form, such corrections being consistent with the results of sample characterization and/or regulatory requirements of Michigan DNR or EPA. I understand that a corrected copy will be sent to me. Yes D No I Initial:

NOTE: Any significant changes or deviations from the waste received versus the information on this form requires amendment.

Must be signed by the appropriate personnel representing the company generating or handling the waste.

**GENERATOR CERTIFICATION** Thereby could first all intermitted in the substitute and all all a bed documents contains true and a current edecage from a first or a solid or for the devant information regards mown or suspected hazards in the procession of the generator has been disclosed.

signatura Juny L. Covy

COVEY JERRY L. COVEY

Mgs Compl Mea

### CyanoKEM

### WASTE STREAM CHARACTERIZATION RECORD

Regulations require generators and/or brokers to fully complete this Waste Stream Characterization Record before wastes can be accepted for treatment.

AMERICAN N LI K E M

EPA Identification Number: MID098011992

**Waste Lab Control Number:** 

C- 82815

All items on each page must be completed. This includes the Addendum to Profile on pages 4 and 5.

NOTE: Remember to sign section 13 on the WSCR as well as the "Generator Certification" at the bottom of the Addendum. This will assure you the most rapid waste

W22428 93018 4155

PLEASE SUBMIT THE COMPLETED FORM A A 16-10-32 OUNCE SAMPLE OF THE WAS STREAM TO: Approvals Laboratory, CyanoK 12381 Schaefer Hwy, Detroit, MI 48227

	Application of the second original paperwork with sample.
1	Generator Information: Provide generator's USEPA indentification number, name, address, contact person and telephone number — If you are a broker, service company or regulate agency representing a generator, regulations require you to provide the name of the generator in this section.
	Generator ID # N E D 0 0 0 8 2 9 7 5 4 Name Union Pacific Railroad Company
	Address 1416 Dodge St City Omaha State NE Zip Code 68179
	Official Contact   Jerry Covey   Title Manager Compliance Measures   Telephone   (402) 271-4037   Fax
2	Broker Information: If you are a broker, service company or regulatory agency representing a generator, provide your name, address, telephone number and contact person in the experience of the experience of the contact person in the experience of the contact person in the experience of the exp
	Name: <u>USPCI</u> Official Contact: <u>Ken Marks</u> Telephone: ( 316 ) <u>268-9490</u> Fax: ( 316 ) <u>268-9418</u>
	Address: 2549 N. New York City: Wichita State: KS Zip: 67219
	Gen. ID: K S D 0 0 7 2 4 6 8 4 6
3	Waste Description: Fill in all of the blanks in this section to the best of your knowledge. If "other" is checked, insert a brief description in the space provided.
	Common Chemical Name/Trade Name: Acid sludge, debris, exhaust piping, plating tank  (If trade name is used, attach MSDS)  Land Ban Notification Required? KKYes
	Process Producing Waste:plating shop cleanup
	DOT Shipping Name: Waste Corrosive liquids, n.o.s. DOT Hazard Class: 8 UN/NA # UN1760
	Packing Group: Special Provisions:
	EPA Waste Number(s):
	If your waste is not a listed waste (F or K) then circle the hazardous characteristic: Ignitable Reactive Corrosive Toxic Oxidizer
	Are filters present: yes I noxid
	Physical State at 70°: ☐ Solid Chunks ☐ Solid Monolith 対 Sludge ☐ Liquid Other (explain):
	Visual Description: dk. red sticky sludge, debris in plating tank w/ exhaust pipes  American NuKEM Representative:
	□ Rock Hill, SC (803) 329-9690 □ Mahwah NJ (201) 818 0900 □ Southfield, MI (313) 559-59

	<u> </u>	o not use words such as unknown of no	available.		
	Specific Gravity: NA pH				
	Chemical Composition in (check on	e): 🗆 % 💢 ppm			
	Arsenic NA Barium	NA Cadmium NA	Chromium NA	Chromium (+6) NA	Chromium Total NA
	Cobalt Copper	Lead	Lithium	Mercury	Nickel
	Silver Zinc	Selenium	Total Cyanides	Total Sulfides	Iron
	ATTACH MOST RECENT ANALYTIC	CAL INFORMATION, IF AVAILABLE.			
	Oils, Grease NA	organics <u>NA</u> Phe	nols <u>NA</u>	AcidsNA	Bases NA
	Reactive Under 40CFR261.23? ☐ Y	′es <sub>X</sub> x⊡ No			
	Other Components:				
5		If any of the listed constituents are kn		nt in weight percent or ppm.	
		☐ Yes XX No If yes, then cit			
	Biological Materials	Pathogens	Etiological Agents	Pesticides	
	PCB's	PBB's	Dioxins	Radioactive Mate	erials
6	List any special handling instructions for	the materials that are known to be present.			`
	Indicate any special handling inst	ructions:			
7	Provide best available figures.				
		one time	alaanun	. 1 plating tan	1-
	Approximate Amount of Waste Pi	oduced Annually: one time	CTEANUP Amount	on Hand: 1 plating tan	K
8	Check appropriate box, fill in blank(s), IF	"other," describe. List all container sizes.			
	VV	iona		1mz	(
	Packaging for Shipment: An Drun	s (size) various	gallons (weight)	pounds <b>\Bulk</b>	☐ Other:
9	Please provide your standard industrial c	ode in the space provided.			
					<u> </u>
	Standard Industrial Code (SIC):	4011			

Give details of special requirements such as power tail gate, vacuum tankers, etc.

10 Give details of special requirements such as power tail gate, vacuum tankers, etc.

**Transportation Equipment Requirements:** 

Provide the name and telephone number of the individual responsible for scheduling waste shipments.

Scheduling Contact:

Ken Marks

Telephone: (316) 268-9490

#### GENERAL INFORMATION FOR WSCR

- Instructions for completing CyanoKEM's Waste Stream Characterization Record (WSCR) are above each section. Providing an accurate and complete form assures the most rapid waste approval. For assistance, call CyanoKEM's sales office: (313) 353-5880.
- Regulations require that all the information requested by the WSCR must be provided before wastes can be accepted at CyanoKEM. Complete this form to the best of your knowledge considering the origin and use of the materials.
- A separate WSCR must be completed for each waste sample sent to CyanoKEM.
- Your waste approval will be processed most quickly if you fill out the WSCR completely and accurately. If we find inconsistencies in your

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5. CyanoKEM, Inc., in compliance with 40 CFR 264.12 (b), has the appropriate permit(s) for the waste material(s) as described on this waste stream characterization record CyanoKEM, Inc. will accept such waste material provided that any terms and conditions detailed on the contractual agreement of our quotation are met.

#### **SAMPLE SUBMITTAL**

Remove the pull-off label from the front of this form and attach it to your sample container.

Use DOT approved packaging.

3. Package this form together with a 16 to 32 ounce sample of your waste stream and send to:

?381 Sc	haefer Highway	
lecopy	<b>(313) 933</b> -5020	

Potroit, Michigan 48227 / (313) 933-1850
 EPA Identification # MID 0980 (1992)

APPROVAL	W#	

#### ADDENDUM TO PROFILE

Regulations require that you certify if any of the following constituents are present at characteristic levels in your waste stream. Indicate <u>yes</u> or <u>no</u> for EACH constituent. If analytical is available, please enter this in the actual value space provided.

#### naracteristic Wastes

						,						
Ю1	(characteristic of 40 CFR 261.21	of ignitability as defined in (a) (4) (Oxidizer))			YES	NO'						
Ю2	(characteristic of 40 CFR 261.22	of corrosivity as defined in )			(YES)	NO						
Ю3	(characteristic of 40 CFR 261.23	of reactivity as defined in (a) (2), (4), (5))			YES	(NO)	Herbio	ide/Pesticide Wastes Cha	racteristic Lev	vel (ppm)		Actual Value
							D012	Endrin (1, 2, 3, 4, 10, 10- hexachloro-1, 7- epoxy-1, 4, 4a, 5, 6, 7, 8, 8a-octahydro-1, 4-endo, endo-5, 8-dimethano-naphthalene.)	0.02	YES	NO .	
tal	Wastes	Characteristic Level (p	pm)		Act	ual Value					1	
04	(Arsenic)	5.0	YES	NO	<del></del>		D013	Lindane (1,2,3,4,5, 6-Hexa- chlorocyclohexane,	0.4	YES	NO	
05	(Barium)	100.0	YES	NO				gamma isomer.)				
06	(Cadmium)	1.0	YES	NO			D014	Methoxychlor (1,1, 1-Trichloro-2, 2-bis (p- methoxy-phenyl)	10.0	YES	NO	
<b>37</b>	(Chromium)	5.0	YES	NO				lethane.)			1	
38	(Lead)	5.0	YES	NO			D015	Toxaphene (C10, H10, Cls Technical chlorinated	0.5	YES	NO	<del></del>
<b>)9</b>	(Mercury)	0.2	YES	МО				camphene, 67-69 percent chlorine.)				
10	(Selenium)	1.0	YES	NO			D016	2, 4-D, (2,4-Dichloro- phenoxyacetic acid.)	10.0	YES	NO	-
11	(Silver)	5.0	YES	$NO^{J}$				,				
				J			D017	2, 4, 5-TP Silvex (2,4, 5-Trichlorophenoxypr opionic acid.)	1.0	YES	NO	

<sup>-</sup> gani	ic Toxicity Wastes	Characteristic Leve	el (ppm)		Actual Value	Organi	ic Toxicity Wastes	Characteristic Level	(ppm)		Actual Value
)18	(Benzene)	0.5	YES	NO		D031	(Heptachlor) (and its hydroxide)	0.008	YES	NO .	
)19	(Carbon Tetrachloride	0.5	YES	NO		D032	(Hexachlorobenzene)	0.13	YES	NO	
)20	(Chlordane)	0.03	YES	NO		D033	(Hexachlorobutadiene)	0.5	YES	NO	
)21	(Chlorobenzene)	100.0	YES	NO		D034	(Hexachloroethane)	3.0	YES	NO	
)22	(Chloroform)	6.0	YES	NO		D035	(Methyl ethyl ketone)	200.0	YES	NO	
)23	(o-Cresol)	200.0	YES	NO '		D036	(Nitrobenzene)	2.0	YES	NO	
124	(m-Cresol)	200.0	YES	NO		D037	(Pentachlorophenol)	100.0	YES	NO	
125	(p-Cresol)	200.0	YES	NO		D038	(Pyridine)	5.0	YES	NO	
126	(Cresol)	200.0	YES	NO		D039	(Tetrachlorethylene)	0.7	YES	NO	
127	(1,4-Dichlorobenzene)	7.5	YES	. NO		D040	(Trichlorethylene)	0.5	YES	NO	
28	(1,2-Dichloroethane)	0.5	YES	NO		D041	(2,4,5-Trichlorophenol)	400.0	YES	NO	
29	(1,1-Dichloroethylene)	0.7	YES	NO		D042	(2,4,6-Trichlorophenol)	2.0	YES	NO	
30	(2,4-Dinitrotoluene)	0.13	YES	NO I		D043	(Vinyl chloride)	0.2	YES	· NO	

Check Yes" and initial this section if you want CyanoKEM to correct any inconsistencies. The most rapid waste approval will be achieved by authorizing CyanoKEM to make your WSCR corrections. All corrections will be consistent with the results of sample characterization and or regulatory requirements. You will receive a copy of the corrected WSCR for your record. If you do not authorize CyanoKEM to make corrections. WSCR's must be returned to you for your correction and resubmitted for final approval. This extends your waste approval time.

Authorization to Correct WSCR: I authorize CyanoKEM to make corrections to this WSCR Form, such corrections being consistent with the results of sample characterization and/or regulatory requirements of Michigan DNR or EPA. I understand that a corrected copy will be sent to me. Yes Provided in the Note: Any significant changes or deviations from the waste received versus the information on this form requires amendment.

Must be signed by the appropriate personnel representing the company generating or handling the waste.

NERATOR CERTIFICATION

Liny Llovey

JERRY L. COVEY.

Millimpt Meas

### CyanoKEM

### WASTE STREAM CHARACTERIZATION RECORD

Regulations require generators and/or brokers to fully complete this Waste Stream Characterization Record before wastes can be accepted for treatment.

AMERICAN
N LI K E M

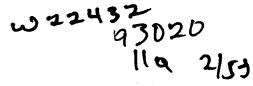
EPA Identification Number: MID098011992

**Waste Lab Control Number:** 

C- 82203

All items on each page must be completed. This includes the Addendum to Profile on pages 4 and 5.

NOTE: Remember to sign section 13 on the WSCR as well as the "Generator Certification" at the bottom of the Addendum. This will assure you the most rapid waste approval. Please send original paperwork with sample.



PLEASE SUBMIT THE COMPLETED FORM A 16-TO 32 OUTICE SAMPLE OF THE WASTREAM TO. Approvals Laboratory, CyanoK 1238 L Schaefer Llwy, Detroit, MI 48227

	The state of the s	
	Generator Information: Provide generator's USEPA indentification number, name, address, contact personal generator, regulations require you to provide the name of	son and telephone number $\pm$ If you are a broker, service company or regulating generator in this section.
	Generator ID # N E D 0 0 0 8 2 9 7 5 4 Name Union Pacific	Railroad Company
	Address 1416 Dodge St City Omaha	State NE Zip Code 68179
	Official Contact Jerry Covey Title Manager Compliance Measures Tele	1 1
2	Broker Information: If you are a broker, service company or regulatory agency representing a generator, pr	rovide your name, address, telephone number and contact person in this $\cos t$ .
	Name: <u>USPCI</u> Official Contact: <u>Ken_Marks</u> Telephone:	( 316 ) <u>268-9490</u> Fax: ( 316 ) <u>268-9418</u>
	Address: 2549 N. New York City: Wichita	
	Gen. ID: K S D 0 0 7 2 4 6 8 4 6	
3	Waste Description: Fill in all of the blanks in this section to the best of your knowledge. If "other" is checke	d, insert a brief description in the space provided.
	Common Chemical Name/Trade Name: <u>Caustic solution</u> , <u>debris</u> , <u>plating tank</u> (If trade name is used, attach MSDS)	Land Ban Notification Required? ☑XYes □
	Process Producing Waste:plating shop cleanup	
	DOT Shipping Name: Waste Corrosive liquids,n.o.s.	DOT Hazard Class: 8 UN/NA # UN1760
	Packing Group: Special Provisions:	
	EPA Waste Number(s):	
	If your waste is not a listed waste (F or K) then circle the hazardous characteristic:	
	Are filters present: yes □ no \( \oldsymbol{D} \)  Physical State at 70": □ Solid Chunks □ Solid Monolith □ Sludge \( \oldsymbol{D} \) Liquid Other (expl.)	ain):
	Are filters present: yes □ no 🛱	ain):American NuKEM Representative:

	Chanical Composition Check present.	Do not use words su	acit as unknown of	inot available.			
	Specific Gravity: 1.0 p						
	Chemical Composition in (check o	one): □ % □ pp	om				
	Arsenic NA Barium	NA Ca	dmium <u>NA</u>	Chromium _	NA Chromium (+6)	NA Chromium Total	NA
	Cobalt Copper _	Lea	ad	Lithium	Mercury	Nickel	<u> </u>
	Silver Zinc _	Sel	lenium	Total Cyanides _	Total Sulfides	lron	
	ATTACH MOST RECENT ANALYT	ICAL INFORMATIO	ON, IF AVAILABLE.				
	Oils, GreaseNA	OrganicsN	<u>IA</u> F	PhenolsNA	AcidsNA	Bases NA	
	Reactive Under 40CFR261.23? □	Yes XX No					
	Other Components:						
5	Other Components and Constitu	uents: If any of the I	isted constituents ar	e known to be present. insc	ert the amount in weight percent or p	pm.	
	Are any of the following present:						
	D1: 111 A A - 1 - 1-1-						
	Biological Materials	Pathoge	ns	Etiological Ac	gents Pestic	cides	
	PCB's	_					
6		PBB's _		Dioxins			
6	PCB's	PBB'spr the materials that a	are known to be pres	Dioxins	Radic	pactive Materials	
6	PCB's	PBB'spr the materials that a	are known to be pres	Dioxins	Radic	pactive Materials	
6	PCB's	PBB'spr the materials that a	are known to be pres	Dioxins	Radic	pactive Materials	
_	List any special handling instructions for indicate any special handling instructions for indicate any special handling instructions.	PBB'sPBB's	are known to be pres	Dioxins	Radio	pactive Materials	
_	PCB's  List any special handling instructions for indicate any special handling in	PBB'sPBB's	are known to be pres	Dioxins	Radic	pactive Materials	
_	List any special handling instructions for indicate any special handling instructions for indicate any special handling instructions.	PBB's  or the materials that a structions:  Produced Annuall	are known to be pres	Dioxins	Radio	pactive Materials	
7	PCB's  List any special handling instructions for Indicate any special handling instructions.	PBB'sPBB's or the materials that a structions: Produced Annuall IF "other," describe. L	are known to be pres	Dioxins e cleanup	Radio	l plating tank	
8	List any special handling instructions for Indicate any special handling in Provide best available figures.  Approximate Amount of Waste In Check appropriate box. fill in blank(s).  Packaging for Shipment:	PBB's	ore known to be pres	Dioxins e cleanup	Radic	l plating tank	
7	List any special handling instructions for Indicate any special handling in Provide best available figures.  Approximate Amount of Waste Inches appropriate box. fill in blank(s).	PBB's	ore known to be pres	Dioxins e cleanup	Radic	l plating tank	
8	List any special handling instructions for Indicate any special handling in Provide best available figures.  Approximate Amount of Waste In Check appropriate box. fill in blank(s).  Packaging for Shipment:	PBB's	ore known to be pres	Dioxins e cleanup	Radic	l plating tank	

-10

#### **GENERAL INFORMATION FOR WSCR**

- 1. Instructions for completing CyanoKEM's Waste Stream Characterization Record (WSCR) are above each section. Providing an accurate and complete form assures the most rapid waste approval. For assistance, call CyanoKEM's sales office: (313) 353-5880.
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- 4. Your waste approval will be processed most quickly if you fill out the WSCR completely and accurately. If we find inconsistencies in your

WSCR it must be returned to you for correction as resubmitted for final approval. Alternately, to save ting you should authorize CyanoKEM to correct your WSCR checking "Yes" and signing in Item 11 above. All corrections will be consistent with the results of sample characterization and/or regulatory requirements. The magnification and the results of sample characterization and the regulatory requirements. The magnification waste approval will be achieved by authorizing CyanoKEM to make your WSCR corrections. You we receive a copy of the corrected WSCR for your records.

5. CyanoKEM, Inc., in compliance with 40 CFR 264.12 (b), he the appropriate permit(s) for the waste material(s) described on this waste stream characterization reconcyanoKEM, Inc. will accept such waste material provide that any terms and conditions detailed on the contract all agreement of our quotation are met.

#### SAMPLE SUBMITTAL

- 1. Remove the pull-off label from the front of this form and attach it to your sample container.
- 2. Use DOT approved packaging.

3. Package this form together with a 16 to 32 ounce samp of your waste stream and send to:

Potroit Michigan 48227 . (313) 933-1850 1 PA Identification #MID 0380 1139-3

APPROVAL W#	

/ NO

YES

Actual

#### ADDENDUM TO PROFILE

Regulations require that you certify if any of the following constituents are present at characteristic levels in your waste stream. Indicate <u>yes</u> or <u>no</u> for EACH constituent. If analytical is available, please enter this in the actual value space provided.

### Characteristic Wastes

12381 Schaefer Highway

Telecopy (313) 933-5020

D001	(characteristic of ignitability as defined in 40 CFR 261.21 (a) (4) (Oxidizer))	YES	ON
D002	(characteristic of corrosivity as defined in 40 CFR 261.22)	YES	1
D003	(characteristic of reactivity as defined in 40 CFR 261.23 (a) (2), (4), (5))	YES	NO

Metal V	Vastes	Characteristic Level (pp	om)		Actual Value
D004	(Arsenic)	5.0	YES	, NO	
D005	(Barium)	100 0	YES	NO	
D006	(Cadmium)	1.0	YES	NO	
D007	(Chromium)	50	YES	NO	
D008	(Lead)	5.0	YES	NO	. Lot and the manufacture of the
D009	(Mercury)	0.2	YES	МО	
D010	(Selenium)	1.0	YES	Ю	
D011	(Silver)	5.0	YES	МО	

Herbicide/Pesticide Wastes	Characteristic Level (ppm)
----------------------------	----------------------------

**D012** Endrin (1, 2, 3, 4, 10,

D012	Endrin (1, 2, 3, 4, 10, 10- hexachloro-1, 7- epoxy-1, 4, 4a, 5, 6, 7, 8, 8a-octahydro-1, 4-endo, endo-5, 8-dimethano-naphthalene.)	0.02			
D013	Lindane (1,2,3,4,5, 6-Hexa- chlorocyclohexane, gamma isomer.)	0.4	YES	NO	
DO 14	Methoxychlor (1,1, 1-Trichloro-2, 2-bis (p- methoxy-phenyl) lethane.)	10.0	YES	NO	
D015	Toxaphene (Cio, Hio, Cla Technical chlorinated camphene, 67-69 percent chlorine.)	0.5	YES	NO	
D016	2, 4-D, (2,4-Dichloro- phenoxyacetic acid.)	10.0	YES	NO	
D017	2, 4, 5-TP Silvex (2,4, 5-Trichlorophenoxypr opionic acid.)	1.0	YES	NO	

0.02

Organi	ic Toxicity Wastes	Characteristic Level	(ppm)		Actual Value	Organ	ic Toxicity Wastes	Characteristic Lev	el (ppm)		Actua
D018	(Benzene)	0.5	YES	NO	and the second s	D031	(Heptachlor) (and its hydroxide)	0.008	YES	NO	
D019	(Carbon Tetrachloride	0.5	YES	NO		D032	(Hexachlorobenzene)	0.13	YES	NO	
D020	(Chlordane)	0.03	YES	NO :		D033	(Hexachlorobutadiene	) 0.5	YES	NO	
D021	(Chlorobenzene)	100.0	YES	NO		D034	(Hexachloroethane)	3.0	YES	NO	
D022	(Chloroform)	6.0	YES	NO		D035	(Methyl ethyl ketone)	200.0	YES	NO	<del></del>
D023	(o-Cresol)	200.0	YES	NO		D036	(Nitrobenzene)	2.0	YES	NO	
D024	(m-Cresol)	200.0	YES	NO		D037	(Pentachlorophenol)	100.0	YES	NO	
D025	(p-Cresol)	200.0	YES	NO	and the second s	D038	(Pyridine)	5.0	YES	NO	
D026	(Cresol)	200.0	YES	NO		D039	(Tetrachlorethylene)	0.7	YES	NO	
D027	(1,4-Dichlorobenzene)	7.5	YES	NO		D040	(Trichlorethylene)	0.5	YES	NO	
D028	(1,2-Dichloroethane)	0.5	YES	NO		D041	(2,4,5-Trichlorophenol	) 400.0	YES	NO	
D029	(1,1-Dichloroethylene)	0.7	YES	NO		D042	(2,4,6-Trichlorophenol	) 2.0	YES	NO	
D030	(2,4-Dinitrotoluene)	0.13	YES	NO		D043	(Vinyl chloride)	0.2	YES	NO	

Check "Yes" and initial this section if you want CyanoKEM to correct any inconsistencies. The most rapid waste approval will be achieved by authorizing CyanoKEM to make you corrections. All corrections will be consistent with the results of sample characterization and or regulatory requirements. You will receive a copy of the corrected WSCR for your release. do not authorize CyanoKEM to make corrections. WSCR's must be returned to you for your correction and resubmitted for final approval. This extends your waste approval time

Authorization to Correct WSCR: I authorize CyanoKEM to make corrections to this WSCR Form, such corrections being consistent with the results of s characterization and/or regulatory requirements of Michigan DNR or EPA. I understand that a corrected copy will be sent to me. Yes 💆 No 🗆 Initial:

NOTE: Any significant changes or deviations from the waste received versus the information on this form requires amendment.

Must be signed by the appropriate personnel representing the company generating or handling the waste.

GENERATOR CERTIFICATION . There is a certificity of all interpretation of the angular contains true and accumants contains true and accumants a contains true and accumants a contains true and accumants and the contains true and accumants and the contains true and accumants are accumants and accumants and accumants and accumants and accumants are accumants and accumants and accumants and accumants are accumants and accumants and accumants are accumants and accumants are accumants and accumants are accumants and accumants are accumants and accumants and accumants are accumants and accumants and accumants are accumants and accumants are accu known or receive the Lhozands in this process can district a conduct of the graduate the

Sign that Lety & Cover to JERRY L. COVEY IN My Comple

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	Toxicity Wastes	Characteristic Lev	el (ppm)		Actual Value	Organi	ic Toxicity Wastes	Characteristic Lev	rel (ppm)		Actual Val
	( <b>Be</b> nzene)	0.5	YES	NO		D031	(Heptachlor) (and its hydroxide)	0.008	YES	NO	
49	(Carbon Tetrachloride)	0.5	YES	NO		D032	(Hexachlorobenzene)	0.13	YES	МО	
	(Chlordane)	0.03	YES	NO	· · · · · · · · · · · · · · · · · · ·	D033	(Hexachlorobutadiene	) 0.5	YES	NO	-
101	(Chlorobenzene)	100.0	YES	NO		D034	(Hexachloroethane)	3.0	YES	NO	
1022	(Chloroform)	6.0	YES	NO		D035	(Methyl ethyl ketone)	200.0	YES	NO	:
<b>D</b> 023	(o-Cresol)	200.0	YES	NO		D036	(Nitrobenzene)	2.0	YES	NO	
D024	(m-Cresol)	200.0	YES	NO		D037	(Pentachlorophenol)	100.0	YES	NO	
D025	(p-Cresol)	200.0	YES	NO 1		D038	(Pyridine)	5.0	YES	NO	
D026	(Cresol)	200.0	YES	NO		D039	(Tetrachlorethylene)	0.7	YES	NO	
D027	(1,4-Dichlorobenzene)	7.5	YES	NO		D040	(Trichlorethylene)	0.5	YES	NO	
D028	(1,2-Dichloroethane)	0.5	YES	NO		D041	(2,4,5-Trichlorophenol	400.0	YES	NO	
D029	(1,1-Dichloroethylene)	0.7	YES	NO	-	D042	(2,4,6-Trichlorophenol)	2.0	YES	NO	
D030	(2,4-Dinitrotoluene)	0.13	YES	NO )		D043	(Vinyl chloride)	0.2	YES	NO	
										Same of the same o	

her English and initial this section if you want CyanoKEM to correct any inconsistencies. The most rapid waste approval will be achieved by authorizing CyanoKEM to make your WSC are shorted and for regulatory requirements. You will receive a copy of the corrected WSCR for your record. If you have a copy of the corrected WSCR for your record. If you have a copy of the corrected WSCR for your record. to be trauthorize CyanoKEM to make corrections, WSCR's must be returned to you for your correction and resubmitted for final approval. This extends your waste approval time

Authorization to Correct WSCR: I authorize CyanoKEM to make corrections to this WSCR Form, such corrections being consistent with the results of sample characterization and/or regulatory requirements of Michigan DNR or EPA. I understand that a corrected copy will be sent to me. Yes 🕅 No 🗆 Initial:

NOTE: Any significant changes or deviations from the waste received versus the information on this form requires amendment. Must be signed by the appropriate personnel representing the company generating or handling the waste.

**BENERATOR CERTIFICATION** There by combine the full intermedical submitted and the condition and all after been declarated and the conditions there are for any declarated and the conditions are also conditions conditions

mown or suspected hazards in the process sion of the ground at his terminist less ?

Cover JERRY L. COVEY My Complet

Signature / My

# CyanoKEM

### WASTE STREAM CHARACTERIZATION RECORD

Regulations require generators and/or brokers to fully complete this Waste Stream Characterization Record before wastes can be accepted for treatment.



EPA Identification Number: MID0980 1 1992

**Waste Lab Control Number:** 

C- 82200

All items on each page must be completed. This includes the Addendum to Profile on page (4 and 5.)

Remember to sign section 13 on the WSCR as well as the "Generator Certification" at the bottom of the Addendum. This will assure you the most rapid waste approval. He are mend original paperwork with sample.

PLEASE SUBMIT THE COMPLETED FORM AN A 16-TO-32 OUNCE SAMPLE OF THE WAS1 STREAM TO: Approvals Laboratory, CyanoKEI 12381 Schaefer Llwy, Detroit, MI 48227

Generator Information: Provide generator's USEPA indentification number, name, address, contact person and agency representing a generator, regulations require you to provide the name of the generator.	telephone number — If you are a broker, service company or regulatory rator in this section.
Generator ID # NED000829754 Name Union Pacific Railroad	1 Company
Address 1416 Dodge St City Omaha	State NE Zip Code 68179
Official Contact	(402) 271-4037 Fax
Broker Information: If you are a broker, service company or regulatory agency representing a generator, provide yo	our name, address, telephone number and contact person in this section.
Name: USPCI Official Contact: Ken Marks Telephone: ( 316	268-9490 Fax: (316 ) 268-9418
Address: 2549 N.New York City: Wichita	State: KS Zip: 67219
Gen. ID: KSD007246846	
Waste Description: Fill in all of the blanks in this section to the best of your knowledge. If "other" is checked, insert	a brief description in the space provided.
Common Chemical Name/Trade Name: Acid solution, debris, plating tank (M trade name is used, attach MSDS)	Land Ban Notification Required? █ੱYes □ No
Process Producing Waste:plating_shop_cleanup	
DOT Shipping Name: Waste Corrosive liquids, n.o.s.	
Packing Group: TT Special Provisions:	
EPA Waste Number(s): D002	
If your waste is not a listed waste (F or K) then circle the hazardous characteristic: ignita	
Are filters present: yes □ noXX	
Physical State at 70°: ☐ Solid Chunks ☐ Solid Monolith ☐ Sludge XX Liquid Other (explain):	
Visual Description: dk. green liquid, debris in plating tank	American NuKEM Representative:
	Generator ID # N E D 0 0 0 8 2 9 7 5 4  Address 1416 Dodge St  Official Contact Jerry Covey  Title Manager Compliance Measures Telephone  Broker Information: It you are a broker, service company or regulatory agency representing a generator, provide you with the manager of the provide your manager of the prov

4	Cliegnical Composition Check "%" or "ppm." If you use percentages, your total must equal 100". If you use ppm and do not know exact quantities, you can use words such as "trace" "present." Do not use words such as "unknown" or "not available."
	Specific Gravity: 1.0 pH: 2
	Chemical Composition in (check one): ☐ % ☐ ppm
	Arsenic NA Barium NA Cadmium NA Chromium NA Chromium (+6) NA Chromium Total NA
	Cobalt Copper Lead Lithium Mercury Nickel
	Silver Zinc Selenium Total Cyanides Total Sulfides Iron
	ATTACH MOST RECENT ANALYTICAL INFORMATION, IF AVAILABLE.
	Oils, Grease NA Organics NA Phenols NA Acids NA Bases NA
	Reactive Under 40CFR261.23? ☐ Yes XX No
	Other Components:
5	Other Components and Constituents: If any of the listed constituents are known to be present, insert the amount in weight percent or ppm.
	Are any of the following present:   Yes XX No If yes, then circle those present.
	Biological Materials Pathogens Etiological Agents Pesticides
	PCB's PBB's Dioxins Radioactive Materials
6	List any special handling instructions for the materials that are known to be present.
_	
	Indicate any special handling instructions:
7	Provide best available figures.
	Annual Annual Annual Political Annual
	Approximate Amount of Waste Produced Annually: one time cleanup Amount on Hand: 1 plating tank
8	Check appropriate box, fill in blank(s), IF "other," describe. List all container sizes.
	Packaging for Shipment: XXDrums (size) various gallons (weight) pounds XX Bulk  Other:
9	Please provide your standard industrial code in the space provided.
	Standard Industrial Code (SIC): 4011

#### GENERAL INFORMATION FOR WSCR

1. Instructions for completing CyanoKEM's Waste Stream Characterization Record (WSCR) are above each section. Providing an accurate and complete form assures the most rapid waste approval. For assistance, call CyanoKEM's sales office: (313) 353-5880.

Ken Marks

- 2. Regulations require that all the information requested by the WSCR must be provided before wastes can be accepted at CyanoKEM. Complete this form to the best of your knowledge considering the origin and use of the materials.
- 3. A separate WSCR must be completed for each waste sample sent to CyanoKEM.
- 4. Your waste approval will be processed most quickly if you fill out the WSCR completely and accurately. If we find inconsistencies in your

- WSCR it must be returned to you for correction ar resubmitted for final approval. Alternately, to save tin you should authorize CyanoKEM to correct your WSCR t checking "Yes" and signing in Item 11 above. All corre tions will be consistent with the results of sample cha acterization and/or regulatory requirements. The mo rapid waste approval will be achieved by authorizin CyanoKEM to make your WSCR corrections. You wi receive a copy of the corrected WSCR for your records.
- 5. CyanoKEM, Inc., in compliance with 40 CFR 264.12 (b), he the appropriate permit(s) for the waste material(s): described on this waste stream characterization recor CyanoKEM, Inc. will accept such waste material provide that any terms and conditions detailed on the contract al agreement of our quotation are met.

#### SAMPLE SUBMITTAL

- 1. Remove the pull-off label from the front of this form and attach it to your sample container.
- 2. Use DOT approved packaging.

Scheduling Contact:

3. Package this form together with a 16 to 32 ounce samp of your waste stream and send to:

12381 Schaefer Highway Telecopy (313) 933 1000 Potential Medium (1927) 7 (31.9.933-1850) FONT (million (1936-1956) (1936-1956) APPROVAL W#

#### ADDENDUM TO PROFILE

Regulations require that you certify if any of the following constituents are present at characteristic levels in your waste stream. Indicate <u>yes</u> or <u>no</u> for EACH constituent. If analytical is available, please enter this in the actual value space provided.

Chara	cteristic Wastes										
D001	(characteristic of ignitability as defined in 40 CFR 261.21 (a) (4) (Oxidizer))				YES NO						
D002	(characteristic of 40 CFR 261.22)	corrosivity as defined in			YES NO						
D003	(characteristic of reactivity as defined in 40 CFR 261.23 (a) (2), (4), (5))				YES \ NO/	Herbio	cide/Pesticide Wastes Cha	racteristic Lev	/el (ppm)		Actual V
		((( ( ), ( · ), ( · ))				D012	Endrin (1, 2, 3, 4, 10, 10- hexachloro-1, 7- epoxy-1, 4, 4a, 5, 6, 7, 8, 8a-octahydro-1, 4-endo, endo-5, 8-dimethano-naphthalene.)	0.02	YES	NO !	
Metal Wastes Characteristic Level (ppm)					Actual Value					1	
D004	(Arsenic)	5.0	YES	NO		D013	Lindane (1,2,3,4,5, 6-Hexa- chlorocyclohexane, gamma isomer)	0.4	YES	NO	<del></del>
D005	(Barium)	1000	YES	, NO		5044		10.0	VEO	NO	
D006	(Cadmium)	1.0	YES	NO	***********	DO 14	Methoxychlor (1,1, 1-Trichloro-2, 2-bis (p- methoxy-phenyl) lethane.)	10.0	YES	МО	**************************************
D007	(Chromium)	50	YES	, 110			,				
D008	(Lead)	5.0	YES	ОМ		D015	Toxaphene (C.io, H.io. Cla Technical chlorinated	0.5	YES	NO	**************************************
D009	-(Метсигу)	0.2	AES	110 :			camphene, 67-69 percent chlorine)				
DO 10	(Selenium)	10	YES	ЮН	-	D016	2, 4-D, (2,4-Dichloro phenoxyacetic acid.)	10.0	YES	NO	<del></del>
D011	(Silver)	50	$\lambda 1.8$	NO						1	
				,		D017	2, 4, 5-TP Silvex (2,4, 5-Trichlorophenoxypr	1.0	YES	NO	

opionic acid.)

المان والمان المان	ic Toxicity Wastes	Characteristic Leve	el (ppm)		Actual Value	Organ	c Toxicity Wastes	Characteristic Leve	ei (ppm)		Actual Vi
D018	(Benzene)	0.5	YES	pn		D031	(Heptachlor) (and its hydroxide)	0.008	YES	NO	
D019	(Carbon Tetrachloride)	0.5	YES	NO		D032	(Hexachlorobenzene)	0.13	YES	NO	
D020	(Chlordane)	0.03	YES	NO		D033	(Hexachlorobutadiene)	0.5	YES	NO	
D021	(Chlorobenzene)	100.0	YES	NO		D034	(Hexachloroethane)	3.0	YES	NO	
D022	(Chloroform)	6.0	YES	NO		D035	(Methyl ethyl ketone)	200.0	YES	NO	<del></del>
D023	(o-Cresol)	200.0	YES	NO		D036	(Nitrobenzene)	2.0	YES	NO	
D024	(m-Cresol)	200.0	YES	NO	<del></del>	D037	(Pentachlorophenol)	100.0	YES	NO	
D025	(p-Cresol)	200.0	YES	NO		D038	(Pyridine)	5.0	YES	NO	
D026	(Cresol)	200.0	YES	NO		D039	(Tetrachlorethylene)	0.7	YES	NO	
D027	(1,4-Dichlorobenzene)	7.5	YES	NO	***************************************	D040	(Trichlorethylene)	0.5	YES	NO	
D028	(1,2-Dichloroethane)	0.5	YES	NO		D041	(2,4,5-Trichlorophenol)	400.0	YES	NO	
D029	(1,1-Dichloroethylene)	0.7	YES	NO		D042	(2,4,6-Trichlorophenol)	2.0	YES	NO	
D030	(2,4-Dinitrotoluene)	0.13	YES	NO	*****	D043	(Vinyl chloride)	0.2	YES	NO	
										. /	

Think "Yes" and initial this section if you want CyanoKEM to correct any inconsistencies. The most rapid waste approval will be achieved by authorizing CyanoKEM to make your WSC expections. All corrections will be consistent with the results of sample characterization and or regulatory requirements. You will receive a copy of the corrected WSCR for your records. If you do not authorize CyanoKEM to make corrections, WSCR's must be returned to you for your correction and resubmitted for final approval. This extends your waste approval time.

Authorization to Correct WSCR: I authorize CyanoKEM to make corrections to this WSCR Form, such corrections being consistent with the results of sample characterization and/or regulatory requirements of Michigan DNR or EPA. I understand that a corrected copy will be sent to me. Yes 🕱 No 🗆 Initial:

NOTE: Any significant changes or deviations from the waste received versus the information on this form requires amendment,

Must be signed by the appropriate personnel representing the company generating or handling the waste.

## CyanoKEM

### WASTE STREAM CHARACTERIZATION RECORD

Regulations require generators and/or brokers to fully complete this Waste Stream Characterization Record before wastes can be accepted for treatment.

MASKE M

PA Identification Number: MID098011992

Waste Lab Control Number:

C- 92904

All items on each page must be completed. This includes the Addendum to Profile on pages 4 and 5. Remember to sign as tion 13 in the MSCR or well as the "Generator Certification of the bottom of the Addendum. This will assure you the most rapid wasterness. A Mark a good ordinal page of with cample.

PLEASE SUBMIT THE COMPLETED FORM AND A 16-10-32 OUNCE SAMPLE OF THE WASTE STREAM TO: Approvals Laboratory, CyanoKEM, 10-34 Schooler Have Detroit, MI 48227

a construction paper with samper.	
Generator Information: Provide generator's USEPA indentification number, name, address, contact person agency representing a generator, regulations require you to provide the name of the generator.	and telephone number $-$ If you are a broker, service company or regulatory generator in this section.
Generator ID # NED000829754 Name Union Pacific R	Railroad Company
Address 1416 Dodge St City Onaha	State NE Zip Code 68179
Official Contact	ne (402) 271-4037 Fax
Broker Information: If you are a broker, service company or regulatory agency representing a generator, provide	de your name, address, telephone number and contact person in this section.
Name: USPC1 Official Contact: Ken Marks Telephone: ( 3	16 ) <u>268-9490</u> Fax: ( 316 ) <u>268-9418</u>
Address: 2549 N. New York City: Wichita	State: KS Zip: 67219
Gen. ID: KSD007246846	
Waste Description: Fill in all of the blanks in this section to the best of your knowledge. If "other" is checked, in	sert a brief description in the space provided.
Common Chemical Name/Trade Name: Caustic Solid, Metal debris, Plating T (If trade name is used, attach MSDS)	Cank Land Ban Notification Requi∈ 1? 🖾 Yes 🔲 No
Process Producing Waste: One Time Plating Shop Cleanup	
DOT Shipping Name: Waste Corrosive Solid, n.o.s.	DOT Hazard Class: 8 UN/NA # UN1759
EPA Waste Number(s): D002	
If your waste is not a listed waste (F or K) then circle the hazardous characteristic: Id	
Are filters present: yes EJ no IX  Physical State at 70°: KJ Solid Chunks - EJ Solid Monolith - EJ Sludge - EJ Liquid - Other (explain)	powder
Visual Description: white-yellow solids attached to inside of tank	American NuKEM Representative:
	☐ Rock Hill, SC (803) 329 9690 ☐ Mahwah, NJ (201) 818 0900 ☐ Southfield, MI (313) 559-5900

4.	Cheraical Composition Check "%" or "ppm." If you use percentages, your total must equal 100%. If you use ppm and do not know exact quantities, you can use words such as "trace" or "present." Do not use words such as "unknown" or "not available."
	Specific Gravity: NA pH:
	Chemical Composition in (check one): F3 % E3 ppm
	Arsenic NA Barium NA Cadmium NA Chromium NA Chromium (+6) NA Chromium Total NA
	Cobalt Copper Lead Lithium Mercury Nickel
	Silver Zinc Selenium Total Cyanides Total Sulfides Iron
	ATTACH MOST RECENT ANALYTICAL INFORMATION, IF AVAILABLE.
	Oils, Grease NA Organics NA Phenols NA Acids NA Bases NA
	Reactive Under 40CFR261.23? ☐ Yes
	Other Components:
	Other Components and Constituents: If any of the listed constituents are known to be present, insert the amount in weight percent or ppm.
	Are any of the following present: [] Yes [] No If yes, then circle those present.
	Biological Materials Pathogens Etiological Agents Pesticides
	PCB's Badioactive Materials
6	List any special handling instructions for the materials that are known to be present.
	Indicate any special handling instructions:
	maleute diff special nationing instructions.
7	Provide best available figures.
	Approximate Amount of Waste Produced Annually: one time cleanup Amount on Hand: 1 tank
8	Check appropriate box, fill in blank(s). IF "other," describe. List all container sizes.
	Packaging for Shipment: YDrums (size) various gallons (weight) pounds ₹1 Bulk □ Other:
9	Please provide your standard industrial code in the space provided.
	Standard Industrial Code (SIC): 4011

10	¥Give details of∈speciat requirement	s such as power tail gate, vacuum tankers, etc.								
	Transportation Equipment Re	equirements:								
111	Provide the name and telephone n	umber of the individual responsible for scheduling waste shipments.								
	Scheduling Contact:	Ken Marks	Telephone: (316) 268-9490							

#### GENERAL INFORMATION FOR WSCR

- 1. Instructions for completing CyanoKEM's Waste Stream Characterization Record (WSCR) are above each section. Providing an accurate and complete form assures the most rapid waste approval. For assistance, call CyanoKEM's sales office: (313) 353-5880.
- 2. Regulations require that all the information requested by the WSCR must be provided before wastes can be accepted at CyanoKEM. Complete this form to the best of your knowledge considering the origin and use of the materials.
- 3. A separate WSCR must be completed for each waste sample sent to CyanoKEM.
- 4. Your waste approval will be processed most quickly if you fill out the WSCR completely and accurately. If we find inconsistencies in your

- WSCR it must be returned to you for correction as resubmitted for final approval. Alternately, to save tin you should authorize CyanoKEM to correct your WSCR I checking "Yes" and signing in Item 11 above. All corrections will be consistent with the results of sample characterization and/or regulatory requirements. The morapid waste approval will be achieved by authorizin CyanoKEM to make your WSCR corrections. You wireceive a copy of the corrected WSCR for your records.
- 5. CyanoKEM, Inc., in compliance with 40 CFR 264.12 (b), he the appropriate permit(s) for the waste material(s) described on this waste stream characterization recor CyanoKEM, Inc. will accept such waste material provide that any terms and conditions detailed on the contract all agreement of our quotation are met.

#### SAMPLE SUBMITTAL

- 1. Remove the pull-off label from the front of this form and attach it to your sample container.
- 2. Use DOT approved packaging.

3. Package this form together with a 16 to 32 ounce samp of your waste stream and send to:

C#	

12381 Schaefer Highway Telecopy (313) 933 Sopro 

APPROVAL	W#	

#### ADDENDUM TO PROFILE

Regulations require that you certify if any of the following constituents are present at characteristic levels in your waste stream. Indicate yes or no for EACH constituent. If analytical is available, please enter this in the actual value space provided.

Chara	cteristic Waste	S											
D001		aracteristic of ignitability as defined in CFR 261.21 (a) (4) (Oxidizer))			YES NO)								
D002	(characteristic 40 CFR 261.2	of corrosivity as defined in 2)		(	YES! NO								
D003	(characteristic of reactivity as defined in 40 CFR 261.23 (a) (2), (4), (5))					,	YES NO )	Herbio	cide/Pesticide Wastes Cha	racteristic Le	evel (ppm)	,÷	Actual Valu
						D012	Endrin (1, 2, 3, 4, 10, 10- hexachloro-1, 7- epoxy-1, 4, 4a, 5, 6, 7, 8, 8a-octahydro-1, 4-endo. endo-5, 8-dimethano-naphthalene.)	0.02	YES	NO			
Metal	Wastes	Characteristic Level (p	pm)		Actual Value								
D004	(Arsenic)	r. ()	YES	110	<del>-</del>	D013	Lindane (1,2,3,4,5, 6-Hexa- chlorocyclohexane.	0.4	YES	NO			
D005	(Barium)	100 0	YES	. NO			gamma isomer.)						
D006	(Cadmium)	10	YES	NO		D014	Methoxychlor (1,1, 1-Trichloro-2,2-bis (p methoxy-phenyl)	100	YES	; ;	***		
D007	(Chromium)	50	YES	NO			fethane)						
D008	(Lead)	50	ALB	NO		D015	Toxaphene (Cio, Hie, Cla Technical chlorinated	0.5	YES	NO			
<b>D00</b> 9	(Mercury)	0,2	YES	110			camphene, 67-69 percent chlorine.)						
<b>D</b> 010	(Selenium)	10	YES	МО		D016	2, 4-D, (2.4-Dichloro- phenoxyacetic acid.)	10.0	YES	NO			
D011	(Silver)	5 O	NES	110			yne trosyeus in energ						
						D017	2. 4, 5-TP Silvex (2,4, 5-Trichlorophenoxypr opionic acid.)	1.0	YES	NO			
1													

Organ	Ic Toxicity Wastes	Characteristic Le	vel (ppm)		Actual Value	Organi	c Toxicity Wastes	Characteristic Lev	el (ppm)		Actual Valu
<b>D</b> 018	(Benzene)	0.5	YES	NO		D031	(Heptachlor) (and its hydroxide)	0.008	YES	NO	
D019	(Carbon Tetrachloride)	0.5	YES	NO		D032	(Hexachlorobenzene)	0.13	YES	NO	
D020	(Chlordane)	0.03	YES	NO		D033	(Hexachlorobutadiene)	0.5	YES	NO	
D021	(Chlorobenzene)	100.0	YES	NO	and statement are a long to the state and a second state and a second state and a second state at the state at	D034	(Hexachloroethane)	3.0	YES	NO	
D022	(Chloroform)	6.0	YES	NO	AND THE COLUMN TWO IS NOT THE OWNER.	D035	(Methyl ethyl ketone)	200.0	YES	NO	·
D023	(o-Cresol)	200.0	YES	NO		D036	(Nitrobenzene)	2.0	YES	NO	
D024	(m-Cresol)	200.0	YES	NO	management of the species of the management of the species of the	D037	(Pentachlorophenol)	100.0	YES	NO	
D025	(p-Cresol)	200.0	YES	NO		D038	(Pyridine)	5.0	YES	NO	
D026	(Cresol)	200.0	YES	ИО		D039	(Tetrachlorethylene)	0.7	YES	NO	
D027	(1,4-Dichlorobenzene)	7.5	YES	NO		D040	(Trichlorethylene)	0.5	YES	NO	
D028	(1,2-Dichloroethane)	05	YES	NO		D041	(2,4,5-Trichlorophenol)	400.0	YES	ИО	
D029	(1,1-Dichloroethylene)	0.7	YES	ИО	· 11 in the Party Company of the Party Company	D042	(2,4,6-Trichlorophenol)	2.0	YES	МО	
D030	(2,4-Dinitrotoluene)	0.13	YES	NO		D043	(Vinyl chloride)	0.2	YES	NO	

Check 'Yes' and initial this section if you want CyanoKEM to correct any inconsistencies. The most rapid waste approval will be achieved by authorizing CyanoKEM to make your WS corrections. All corrections will be consistent with the results of sample characterization and/or regulatory requirements. You will receive a copy of the corrected WSCR for your records. If you not authorize CyanoKEM to make corrections, WSCR's must be returned to you for your correction and resubmitted for final approval. This extends your waste approval time.

Authorization to Correct WSCR: I authorize CyanoKEM to make corrections to this WSCR Form, such corrections being consistent with the results of same characterization and/or regulatory requirements of Michigan DNR or EPA. I understand that a corrected copy will be sent to me. Yes NoTE: Any significant changes or deviations from the waste received versus the information on this form requires amendment.

Must be signed by the appropriate personnal representing the company penerating or handling the waste.

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GENERATOR CEPHILICATE III

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JERRY L. COVI

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Signatore

### CyanokEM

### WASTE STREAM CHARACTERIZATION RECORD

Regulations require generators and/or brokers to fully complete this Waste Stream Characterization Record before wastes can be accepted for treatment.

**AMERICAN** 

EPA Identification Number: MID0980 11992

C- 82097 **Waste Lab Control Number:** 

All items on each page must be completed. This includes the Addendum to Profile on pages 4 and 5. Remember to sign section 13 on the WSCR as well as NOTE: Remember to sign section 13 on the wsch as well as the "Generator Certification" at the bottom of the Addendum. This will assure you the most rapid waste approval Mose end original paperwork with sample.

PLEASE SUBMIT THE COMPLETED FORM AN A 16 10 32 OUNCE SAMPLE OF THE WAST STREAM TO: Approvals Laboratory, CyanoKEI 1238 t Schaefer Hwy, Defreit, MI 48227

Generator Information: Provide generator's USEPA indentification number, name, address, contact person agency representing a generator, regulations require you to provide the name of the	and telephone number — If you are a broker, service company or a guidator generator in this section.
Generator ID #   N E D 0 0 0 8 2 9 7 5 4   Name   Union Pacific Ra	ailroad Company
Address 1416 Dodge St. City Omaha	State NE Zip Code 68179
	one (402) 271-4037 Fax
Citional Committee Committ	
Broker Information: If you are a broker, service company or regulatory agency representing a generator, provide	de your name, address, telephone number and contact person in this section.
Name: USPCI Official Contact: Ken Marks Telephone: (	316 ) <u>268-9490</u> Fax: ( 316 ) <u>268-9418</u>
Address: 2549 N. New York City: Wichita	State: KS Zip: 67219
Gen. ID: KSD007246846	
Waste Description: Fill in all of the blanks in this section to the best of your knowledge. If "other" is checked, in	nsert a brief description in the space provided.
Common Chemical Name/Trade Name: Acid solution, plastic drum  (If trade name is used, attach MSDS)	Land Ban Notification Required? Yes
Process Producing Waste: Plating Shop Cleanup	
DOT Shipping Name: Waste Corrosive liquids, n.o.s.	DOT Hazard Class:8UN/NA #UN1760
Packing Group: Special Provisions:	
EPA Waste Number(s): D002	
If your waste is not a listed waste (F or K) then circle the hazardous characteristic:	Ignitable Reactive Corrosive Toxic Oxidizer
Are filters present: yes [] nox[]  Physical State at 70° [] Solid Chapter [] Solid Manuality [] Shakes at [] Liquid [Other (complete)]	20 gal roly dram
Physical State at 70°: 日 Solid Chunks - 日 Solid Monolith - 日 Sludge 文図 Liquid - Other (explain	
Visual Description: Lt green liquid in poly drum	American NuKEM Representative:
Alandi Describition are arecon tradition in both atom	——— Bock Hill, SC (803) 329 9690 ☐ Mahwah, NJ (201) 818 0900 ☐ Southfield, MI (313) 559-590

4	Chemical Composition  Check "%" or "ppm." If you use percentages, your total must equal 100". If you use ppm and do not know exact quantities, you can use words such as "trace" "present." Do not use words such as "unknown" or "not available."
	Specific Gravity:1 pH:2
	Chemical Composition in (check one): ☐ % ☐ ppm
	Arsenic NA Barium NA Cadmium NA Chromium NA Chromium (+6) NA Chromium Total NA
	Cobalt Copper Lead Lithium Mercury Nickel
	Silver Zinc Selenium Total Cyanides Total Sulfides Iron
	ATTACH MOST RECENT ANALYTICAL INFORMATION, IF AVAILABLE.
	Oils, Grease NA Organics NA Phenols NA Acids NA Bases NA
	Reactive Under 40CFR261.23? ☐ Yes  X☑ No
	Other Components:
5	Other Components and Constituents: If any of the listed constituents are known to be present, insert the amount in weight percent or ppm.
	· · · · · · · · · · · · · · · · · · ·
	Are any of the following present:   Yes XX No If yes, then circle those present.
	Biological Materials Pathogens Etiological Agents Pesticides
	PCB's Radioactive Materials
6	List any special handling instructions for the materials that are known to be present.
	Indicate any special handling instructions:
	indicate any special handling instructions:
7	Provide best available figures.
	Approximate Amount of Waste Produced Annually: one time cleanup Amount on Hand: 1-20 gal poly drum
8	Charles appropriate have fill in blankles. If makes " describe List all contains airce
<u>.</u>	Check appropriate box. fill in blank(s). IF "other," describe. List all container sizes.
	Packaging for Shipment: And Drums (size) various gallons (weight) pounds 🗆 Bulk 🗀 Other:
9	Please provide your standard industrial code in the space provided.
	Standard Industrial Code (SIC): 4011
	Standard Industrial Code (SIC): 4011

Transportation Equipment R	dequirements:			
Scheduling Contact:	Ken Marks	Telephone:	(316) 268-9490	

#### GENERAL INFORMATION FOR WSCR

- 1. Instructions for completing CyanoKEM's Waste Stream Characterization Record (WSCR) are above each section. Providing an accurate and complete form assures the most rapid waste approval. For assistance, call CyanoKEM's sales office: (313) 353-5880.
- 2. Regulations require that all the information requested by the WSCR must be provided before wastes can be accepted at CyanoKEM. Complete this form to the best of your knowledge considering the origin and use of the materials.
- 3. A separate WSCR must be completed for each waste sample sent to CyanoKEM.
- 4. Your waste approval will be processed most quickly if you fill out the WSCR completely and accurately. If we find inconsistencies in your

WSCR it must be returned to you for correction and resubmitted for final approval. Alternately, to save time you should authorize CyanoKEM to correct your WSCR by checking "Yes" and signing in Item 11 above. All corrections will be consistent with the results of sample characterization and/or regulatory requirements. The most rapid waste approval will be achieved by authorizing CyanoKEM to make your WSCR corrections. You will receive a copy of the corrected WSCR for your records.

5. CyanoKEM, Inc., in compliance with 40 CFR 264.12 (b), has the appropriate permit(s) for the waste material(s) as described on this waste stream characterization record CyanoKEM, Inc. will accept such waste material provided that any terms and conditions detailed on the contractual agreement of our quotation are met.

#### SAMPLE SUBMITTAL

- 1. Remove the pull-off label from the front of this form and attach it to your sample container.
- 2. Use DOT approved packaging.

3. Package this form together with a 16 to 32 ounce sample of your waste stream and send to:

12381 Schaefer Highway Telecopy (313) 903-5020

Potent Michigan 48227 / (3.1.3) 933-1850 FPA Modification #AllO parts (3.00)

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APPROVAL.	VV#	

#### ADDENDUM TO PROFILE

Regulations require that you certify if any of the following constituents are present at characteristic levels in your waste stream. Indicate yes or no for EACH constituent. If analytical is available, please enter this in the actual value space provided.

# Characteristic Wastes

D001	(characteristic of 40 CFR 261.21 (	ignitability as defined in (a) (4) (Oxidizer))		Y	ES NO						
D002	(characteristic of 40 CFR 261.22)	corrosivity as defined in		14	ES' NO						
D003	(characteristic of 40 CFR 261.23 (	reactivity as defined in a) (2), (4), (5))		Υ	ES (NO	Herbi	cide/Pesticide Wastes Cha	racteristic Le	vel (ppm)		Actual Valı
						D012	Endrin (1, 2, 3, 4, 10, 10- hexachloro-1, 7- epoxy-1, 4, 4a, 5, 6, 7, 8, 8a-octahydro-1, 4-endo, endo-5, 8-dimethano-naphthalene.)	0.02	YES	NO	
Metal	Wastes	Characteristic Level (ppn	1)		Actual Value						
D004	(Arsenic)	50	YES	MO		D013	Lindane (1,2,3,4,5, 6-Hexa- chlorocyclohexane,	. 0.4	YES	NO	· · · · · · · · · · · · · · · · · · ·
D005	(Barium)	1000	YES	140			gamma isomer.)				
D006	(Cadmium)	10	YES	NO		D014	Methoxychlor (1,1, 1-Trichloro-2, 2-bis (p- methoxy-phenyl)	10.0	YES	NO	
D007	(Chromium)	(51)	YES	140			lethane.)				
D008	(fead)	<sup>1</sup> >()	71.8	140		D015	Toxaphene (C+o, H+o, Ch-Technical chlorinated	0.5	YES	110	
D009	(Mercury)	0.2	YES	100			camphene, 67-69 percent chlorine.)			!	
DO 10	(Selenium)	10	YES	NO		D016		10.0	YES	но /	
D011	(Silver)	50	YES	NO	The second section of the second		phenexyacetic acid)				
						D017	2, 4, 5-TP Silvex (2,4, 5-Trichlorophenoxypr opionic acid.)	1.0	YES	NO	
	The second second	The same of the sa				. (					

Organ	nic Toxicity Wastes	Characteristic Lev	vel (ppm)	<i></i>	Actual Value	Orga	nic Toxicity Wastes	Characteristic Leve	el (ppm)		Actual Value
D018	(Benzene)	0.5	YES	NO		D031	(Heptachlor) (and its hydroxide)	0.008	YES	NO	
DO 19	(Carbon Tetrachloride)	0.5	YES	NO	, mandatah nagara pagai Mandapan pagai Ma	D032	•	0.13	YES	NO /	
D020	(Chlordane)	0.03	YES	NO	**************************************	D033	(Hexachlorobutadiene	0.5	YES	NO	-
0021	(Chlorobenzene)	100.0	YES	NO	AND PROGRAMME SECTION AND ADDRESS OF THE PROGRAMME.	D034	(Hexachloroethane)	3.0	YES	NO	
<b>)</b> 022	(Chloroform)	6.0	YES	NO		D035	(Methyl ethyl ketone)	200.0	YES	NO	
)023	(o-Cresol)	200 0	YES	NO		D036	(Nitrobenzene)	2.0	YES	NO	
)024	(m-Cresol)	200.0	YES	NO		D037	(Pentachlorophenol)	100.0	YES	NO	
)025	(p-Cresol)	200.0	YES	NO		D038	(Pyridine)	5.0	YES	NO	
<b>Ж</b> 26	(Cresol)	200.0	YES	NO		D039	(Tetrachlorethylene)	0.7	YES	NO	
Ю27	(1,4-Dichlorobenzene)	7.5	YES	NO		D040	(Trichlorethylene)	0.5	YES	NO	<del> </del>
Ю28	(1,2-Dichloroethane)	0.5	YES	NO	-	D041	(2,4,5-Trichlorophenol)	400.0	YES	NO	
ю29	(1,1-Dichloroethylene)	0.7	YES	NO		D042	(2,4,6-Trichlorophenol)	2.0	YES	NO	
юзо	(2,4-Dinitrotoluene)	0.13	YES	NO /		D043	(Vinyl chloride)	0.2	YES	NO	

and initial this section if you want CyanoKEM to correct any inconsistencies. The most rapid waste approval will be achieved by authorizing CyanoKEM to make your WSCR realizants. All corrections will be consistent with the results of sample characterization and/or regulatory requirements. You will receive a copy of the corrected WSCR for your records. If you mot authorize CyanoKEM to make corrections, WSCR's must be returned to you for your correction and resubmitted for final approval. This extends your waste approval time.

Authorization to Correct WSCR: I authorize CyanoKEM to make corrections to this WSCR Form, such corrections being consistent with the results of sample characterization and/or regulatory requirements of Michigan DNR or EPA. I understand that a corrected copy will be sent to me. Yes X No 🗆 Initial:

NOTE: Any significant changes or deviations from the waste received versus the information on this form requires amendment.

Must be signed by the appropriate personnel representing the company generating or handling the waste.

(avey JERRY 2 COVEY in My Complaneas

# CyantKEM

## WASTE STREAM CHARACTERIZATION RECORD

Regulations require generators and/or brokers to fully complete this Waste Stream Characterization Record before wastes can be accepted for treatment.

AMERICAN

N LJ K E M

EPA Identification Number: MID098011992

**Waste Lab Control Number:** 

C- 82591

All items on each page must be completed. This includes the Addendum to Profile on pages 4 and 5. Remember to sign section 13 on the WSCR as well as the Generator Certification, at the bottom of the Addendum. This will assure you the most rapid waste present it this is send original paperwork with sample.

PLEASE SURMIT THE COMPLETED FORM AND A 16 TO 32 OUNCE SAMPLE OF THE WASTI STREAM TO: Approvals Laboratory, CyanoKEN 1008 1 Schaefer Flyry, Detroit, MI 48227

the original paper from that sumple.	
Generator Information: Provide generator's USEPA indentification number, name, address, contact person an agency representing a generator, regulations require you to provide the name of the generator.	d telephone number — If you are a broker, service company or regulatory perator in this section.
Generator ID # NED000829754 Name Union Pacific Railro	oad Company
Address 1416 Dodge St. City Omaha	State NE Zip Code 68179
Official Contact	1 1
Broker Information: If you are a broker, service company or regulatory agency representing a generator, provide	your name, address, telephone number and contact person in this section.
Name: USPCI Official Contact: Ken Marks Telephone: ( 316	) <u>268-9490</u> Fax: ( 316 ) <u>268-9418</u>
Address: 2549 N. New York City: Wichita	State: KS Zip: 67219
Gen. ID: K S D 0 0 7 2 4 6 8 4 6	
Waste Description: Fill in all of the blanks in this section to the best of your knowledge. If "other" is checked, inse	
Waste Description: Fill in all of the blanks in this section to the best of your knowledge. If other is checked, fise	rt a brief description in the space provided.
	Land Ban Notification Required? **Yes UN
Common Chemical Name/Trade Name: Acid solution, Plating tank, debris (If trade name is used, attach MSDS)	Land Ban Notification Required? A Yes □ Notification Required?
Common Chemical Name/Trade Name: Acid solution, Plating tank, debris	Land Ban Notification Required? A Yes □ N
Common Chemical Name/Trade Name: Acid solution, Plating tank, debris (If trade name is used, attach MSDS)  Process Producing Waste: Plating Shop Cleanup	Land Ban Notification Required? Serves Notification Required? Land Ban Notification Required? Land Services Notification Required Required Republication Required Republication Required Republication Required Republication Required Republication Republ
Common Chemical Name/Trade Name: Acid solution, Plating tank, debris  (If trade name is used, attach MSDS)  Process Producing Waste: Plating Shop Cleanup  DOT Shipping Name: Waste Corrosive liquid, n.o.s.	Land Ban Notification Required? 答Yes 口 Note
Common Chemical Name/Trade Name: Acid solution, Plating tank, debris  (If trade name is used, attach MSDS)  Process Producing Waste: Plating Shop Cleanup  DOT Shipping Name: Waste Corrosive liquid, n.o.s.  Packing Group: II Special Provisions:	Land Ban Notification Required? 答Yes □ Note Dot Hazard Class: 8 UN/NA # UN1760
Common Chemical Name/Trade Name: Acid solution, Plating tank, debris  (If trade name is used, attach MSDS)  Process Producing Waste: Plating Shop Cleanup  DOT Shipping Name: Waste Corrosive liquid, n.o.s.  Packing Group: II Special Provisions: EPA Waste Number(s): D002	Land Ban Notification Required? Yes Note No. 100 No. 1
Common Chemical Name/Trade Name:Acid solution, Plating tank, debris  (If trade name is used, attach MSDS)  Process Producing Waste:Plating Shop Cleanup  DOT Shipping Name:Waste Corrosive liquid, n.o.s.  Packing Group:IISpecial Provisions:  EPA Waste Number(s):D002  If your waste is not a listed waste (F or K) then circle the hazardous characteristic: Ign  Are filters present: yes [] nox[]	Land Ban Notification Required? Yes Note No. 100 No. 1

4	Chemical Composition Check "%" or "ppm." If you use percentages, your total must equal 100". If you use ppm and do not know exact quantities, you can use words such as "trace or "present." Do not use words such as "unknown" or "not available."
	Specific Gravity: 1-0 pH: 2
	Chemical Composition in (check one): ☐ % ☐ ppm
	Arsenic NA Barium NA Cadmium NA Chromium NA Chromium (+6) NA Chromium Total NA
	Cobalt Copper Lead Lithium Mercury Nickel
	Silver Zinc Selenium Total Cyanides Total Sulfides Iron
	ATTACH MOST RECENT ANALYTICAL INFORMATION, IF AVAILABLE.
	Oils, Grease NA Organics NA Phenols NA Acids NA Bases NA
	Reactive Under 40CFR261.23? ☐ Yes XXX No
	Other Components:
5	Other Components and Constituents: If any of the listed constituents are known to be present, insert the amount in weight percent or ppm.
	Are any of the following present:    Yes XX No If yes, then circle those present.
	Biological Materials Pathogens Etiological Agents Pesticides
	PCB's PBB's Dioxins Radioactive Materials
6	List any special handling instructions for the materials that are known to be present.
	Indicate any enscial handling instructions.
	Indicate any special handling instructions:
7	Provide best available figures.
	Approximate Amount of Waste Produced Annually: one time cleanup Amount on Hand: 1 plating tank
3	Approximate Amount of Waste Produced Annually: one time cleanup Amount on Hand: 1 plating tank  Check appropriate box, fill in blank(s). IF "other," describe. List all container sizes.
3	·
9	Check appropriate box, fill in blank(s), IF "other," describe. List all container sizes.
9	Check appropriate box, filt in blank(s), tF rother," describe. List all container sizes.  Packaging for Shipment: ** Drums (size) various gallons (weight) pounds ** Bulk Other:  Please provide your standard industrial code in the space provided.
9	Check appropriate box, fill in blank(s), IF "other," describe. List all container sizes.  Packaging for Shipment: **Drums (size) various gallons (weight) pounds **Bulk   Other:

10 Give details of special requirements such as power tail gate, vacuum tankers, etc.

	Scheduling Contact:	Ken Marks	Telephone:	(316) 268-9490	_					
	Transportation Equipment Requirements:  Provide the name and telephone number of the individual responsible for scheduling waste shipments.									
10	Give defails of Special requireme	nts such as power tail gate, vacuum tankers, etc.								

## **GENERAL INFORMATION FOR WSCR**

- 1. Instructions for completing CyanoKEM's Waste Stream Characterization Record (WSCR) are above each section. Providing an accurate and complete form assures the most rapid waste approval. For assistance, call CyanoKEM's sales office: (313) 353-5880.
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- 5. CyanoKEM, Inc., in compliance with 40 CFR 264.12 (b), has the appropriate permit(s) for the waste material(s) as described on this waste stream characterization record. CyanoKEM, Inc. will accept such waste material provided that any terms and conditions detailed on the contractual agreement of our quotation are met.

## SAMPLE SUBMITTAL

- 1. Remove the pull-off label from the front of this form and attach it to your sample container.
- 2. Use DOT approved packaging.

3. Package this form together with a 16 to 32 ounce sample of your waste stream and send to:

APPROVAL	W#	

C#\_\_\_\_\_

12381 Schaefer Highway Telecopy (313) 933-5020 Potent Mediam 48227 / (313) 933-1850 FPA Montification #MID 0980 11992

APPROVAL	W#	

## ADDENDUM TO PROFILE

Regulations require that you certify if any of the following constituents are present at characteristic levels in your waste stream. Indicate yes or no for EACH constituent. If analytical is available, please enter this in the actual value space provided.

Charac	cteristic Wastes	3									
0001	(characteristic of ignitability as defined in 40 CFR 261.21 (a) (4) (Oxidizer))			YE	s NO						
0002	(characteristic 40 CFR 261.22	of corrosivity as defined in . 2)		(YE	S NO						A skeet Mad
0003		of reactivity as defined in 3 3 (a) (2), (4), (5))		YE	s (NO)		ide/Pesticide Wastes Cha				Actual Val
						DO12	Endrin (1, 2, 3, 4, 10, 10- hexachloro-1, 7- epoxy-1, 4, 4a, 5, 6, 7, 8, 8a-octahydro-1, 4-endo, endo-5, 8-dimethanonaphthalene.)	0.02	YES	NO	
letai \	<i>W</i> astes	Characteristic Level (p	բու)		Actual Value				VED		
004	(Arsenic)	50	YES	NO		D013	Lindane (1,2,3,4,5, 6-Hexa- chlorocyclohexane, gamma isomer.)	0.4	YES	NO	
005	(Barium)	100.0	YES	NO					\ <b>(5.0</b>		
0006	(Cadmium)	. 10	YES	NO		D014	Methoxychlor (1,1, 1-Trichloro-2, 2-bis (p- methoxy-phenyl) lethane.)	10.0	YES	NO /	
007	(Chromium)	5.0	YES	МО			,				
800	(t.ead)	50	YES	NO		D015	Toxaphene (Cio, Hio, Cla Technical chlorinated	0.5	YES	NO	
009	(Mercury)	0.7	YES	ИО			camphene, 67-69 percent chlorine.)		į		
010	(Selenium)	10	ALS	ИО		D016	2, 4 D, (2,4-Dichloro- phenoxyacetic acid.)	10.0	YES	NO	
0011	(Silver)	!. ()	AUS	MO.		D017	2, 4, 5-TP Silvex (2,4, 5-Trichlorophenoxypr opionic acid.)	1.0	YES	NO	

Organ	ic Toxicity Wastes	Characteristic Le	evel (ppm)		Actual Value	Organ	ic Toxicity Wastes	Characteristic Leve	el (ppm)		Actual Value
D018	(Benzene)	0.5	YES	би		D031	(Heptachlor) (and its hydroxide)	0.008	YES	NO	<del></del>
DO19	(Carbon Tetrachloride)	0.5	YES	NO	a shaqaran i giri i sagar qa qaqay qaya tiladada	D032	(Hexachlorobenzene)	0.13	YES	NO	
D020	(Chlordane)	0.03	YES	NO		D033	(Hexachlorobutadiene	0.5	YES	NO	
D021	(Chlorobenzene)	100.0	YES	NO		D034	(Hexachloroethane)	3.0	YES	NO	
D022	(Chloroform)	60	YES	NO		D035	(Methyl ethyl ketone)	200.0	YES	NO	***************************************
D023	(o-Cresol)	200.0	YES	NO		D036	(Nitrobenzene)	2.0	YES	NO	
D024	(m-Cresol)	200.0	YES	NO		D037	(Pentachlorophenol)	100.0	YES	NO	
D025	(p-Cresol)	200.0	YES	NO		D038	(Pyridine)	5.0	YES	NO	
D026	(Cresol)	200.0	YES	NO		D039	(Tetrachlorethylene)	0.7	YES	NO	
D027	(1,4-Dichlorobenzene)	7.5	YES	NO		D040	(Trichlorethylene)	0.5	YES	NO	
D028	(1,2-Dichloroethane)	0.5	YES	NO	A CAMPAGE AND A SECOND	D041	(2,4,5-Trichlorophenol	400.0	YES	NO	
D029	(1,1-Dichloroethylene)	0.7	YES	ИО		D042	(2,4,6-Trichlorophenol)	) 2.0	YES	NO	
D030	(2,4-Dinitrotoluene)	0.13	YES	NO/	# Mill comment of the second or seco	D043	(Vinyl chloride)	0.2	YES	NO	
ı											

her k. Yes' and initial this section if you want CyanoKEM to correct any inconsistencies. The most rapid waste approval will be achieved by authorizing CyanoKEM to make your WSCR enctions. All corrections will be consistent with the results of sample characterization and/or regulatory requirements. You will receive a copy of the corrected WSCR for your receit. If you do not authorize CyanoKEM to make corrections, WSCR's must be returned to you for your correction and resubmitted for final approval. This extends your waste approval time.

Authorization to Correct WSCR: I authorize CyanoKEM to make corrections to this WSCR Form, such corrections being consistent with the results of semple characterization and/or regulatory requirements of Michigan DNR or EPA. I understand that a corrected copy will be sent to me. Yes 🔼 No 🛘 Initial: 🔇 NOTE: Any significant changes or deviations from the waste received versus the information on this form requires amendment.

Must be signed by the appropriate personnel representing the company generating or handling the waste.

12

Jerry I Covey " JERRY L. COVEY " Mgs

# **CyanoKEM**

## WASTE STREAM CHARACTERIZATION RECORD

Regulations require generators and/or brokers to fully complete this Waste Stream Characterization Record before wastes can be accepted for treatment.



**EPA Identification Number: MID098011992** 

**Waste Lab Control Number:** 

C- 82814

NOTE: NOTE:



PLEASE SUBMIT THE COMPLETED FORM AND A 16-10-32 OUNCE SAMPLE OF THE WASTE STREAM TO: Approvals Laboratory, CyanoKEM 1938 1 Sebsefer Hwy, Detroit, MI 48227

l telephone number — If you are a broker, service∘Company or regulatory : erator in this section.
ad Company
State NE Zip Code 68179
(402) 271-4037 Fax
our name, address, telephone number and contact person in this section.
) 268-9490 Fax: ( 316 ) 268-9418
) 268-9490 Fax: ( 316 ) 268-9418  State: KS Zip: 67219
t a brief description in the space provided.
Land Ban Notification Required? XXYes □ No
DOT Hazard Class:8 UN/NA #UN1760
table Reactive Corrosive Toxic Oxidizer
table Reactive Corrosive Toxic Oxidizer
t

Chemical Compositi	on Check "%" or "ppm." If "present." Do not use w	you use percentages, you ords such as "unknown" o	r total must equal 100%. If yo r "not available."	ou use ppm and do not know exact qu	antities, you can use words such as "trace" or
Specific Gravity:	1.0 pH: 2			-	
Chemical Composition	n in (check one): □ %	□ ppm			
Arsenic NA	Barium NA	Cadmium <u>NA</u>	Chromium	NA Chromium (+6)	NA Chromium Total NA
Cobalt	Copper	Lead	Lithium	Mercury	Nickel
Silver	Zinc	Selenium	Total Cyanides	Total Sulfides	lron
ATTACH MOST RECE	ENT ANALYTICAL INFOR	MATION, IF AVAILABLE	Ε.		
Reactive Under 40CF	Organics R261.23? El Yes 작성 N	lo	Phenols <u>NA</u>	Acids NA	Bases <u>NA</u>
Other Components a	and Constituents: If any	of the listed constituents a	re known to be present, inser	rt the amount in weight percent or ppr	n. '
Are any of the following	ng present: 🗀 Yes	XX No If yes, the	n circle those present.		
Biological Materials		nthogens	Etiological Age	entsPesticio	des
PCB's	PI	3B's	Dioxins	Radioa	ctive Materials
List any special handling	instructions for the materia	s that are known to be pre	sent.		
Indicate any special	handling instructions:				
Provide best available fig	gures.				
Annauimata Amau	at at Marta Dandunad A	one t	ime cleanup	Amount on Hand: 1 pl.	ating tank
Approximate Amoun	nt of Waste Produced A	nnually:		_ Amount on Hand: Pac	icing tain
Check appropriate box.	fill in blank(s). IF "other," des	cribe. List all container size	es.		
Packaging for Shipn	nent: XXDrums (size)	var jous	gallons (weight)	L sbritod	Ŋ Bulk ☐ Other:
Please provide your star	ndard industrial code in the s	pace provided.			vet
Standard Industrial (	Code (SIC):	4011			

10	Give details of special requirements such as power tail gate, vacuum tankers, etc.	
	Transportation Equipment Requirements:	
	•	
11	Provide the name and telephone number of the individual responsible for scheduling waste shipments.	

**Scheduling Contact:** 

Ken Marks

Telephone: (316) 268-9490

## **GENERAL INFORMATION FOR WSCR**

- Instructions for completing CyanoKEM's Waste Stream Characterization Record (WSCR) are above each section. Providing an accurate and complete form assures the most rapid waste approval. For assistance, call CyanoKEM's sales office: (313) 353-5880.
- Regulations require that all the information requested by the WSCR must be provided before wastes can be accepted at CyanoKEM. Complete this form to the best of your knowledge considering the origin and use of the materials.
- A separate WSCR must be completed for each waste sample sent to CyanoKEM.
- Your waste approval will be processed most quickly if you fill out the WSCR completely and accurately. If we find inconsistencies in your

- WSCR it must be returned to you for correction and resubmitted for final approval. Alternately, to save time you should authorize CyanoKEM to correct your WSCR by checking "Yes" and signing in Item 11 above. All corrections will be consistent with the results of sample characterization and/or regulatory requirements. The most rapid waste approval will be achieved by authorizing CyanoKEM to make your WSCR corrections. You will receive a copy of the corrected WSCR for your records.
- 5. CyanoKEM, Inc., in compliance with 40 CFR 264.12 (b), has the appropriate permit(s) for the waste material(s) as described on this waste stream characterization record. CyanoKEM, Inc. will accept such waste material provided that any terms and conditions detailed on the contractual agreement of our quotation are met.

## SAMPLE SUBMITTAL

Remove the pull-off label from the front of this form and attach it to your sample container.

Use DOT approved packaging.

3. Package this form together with a 16 to 32 ounce sample of your waste stream and send to:

	C#	
ADDDOVAL	1114	

**12381 Schaefe**r Highway **Telecopy** (31.3) 923, 5020

7 Detroit Michigan 48207 7 (31.3) 93.3-1850 FDA (Josephication CMID 009011000

## ADDENDUM TO PROFILE

Regulations require that you certify if any of the following constituents are present at characteristic levels in your waste stream. Indicate <u>yes</u> or <u>no</u> for EACH constituent. If analytical is available, please enter this in the actual value space provided.

#### **Characteristic Wastes**

D001	(characteristic of 40 CFR 261.21 (	ignitability as defined in a) (4) (Oxidizer))		YES	s ('NO '						
D002	(characteristic of 40 CFR 261.22)	corrosivity as defined in		(YES	NO NO	Harbia	ida/Bastisida Waston Cho	rostoriotio I o	vol (nnm)		Actual Value
D003	(characteristic of 40 CFR 261.23 (	reactivity as defined in		YES	s (NO)	Herbic	ide/Pesticide Wastes Cha	racteristic Lev	zei (ppm)		Actual Value
	40 OFN 201.23 (	aj (2), (9), (3))				D012	Endrin (1, 2, 3, 4, 10, 10- hexachloro-1, 7- epoxy-1, 4, 4a, 5, 6, 7, 8, 8a-octahydro-1, 4-endo, endo-5, 8-dimethano-naphthalene.)	0.02	YES	/ NO)	Administrative property and the second
Metal 1	Wastes	Characteristic Level (ppr	11)		Actual Value	D044	tindene (10045	0.4	YES	NO	
D004	(Arsenic)	50	YES	МО		D013	Lindane (1,2,3,4,5, 6-Hexa- chlorocyclohexane, gamma isomer.)	0.4	169		
D005	(Barium)	100 0	YES	- 40			,				
D006	(Cadmium)	1 ()	YES	NO		DO 14	Methoxychlor (1,1, 1-Trichloro-2, 2-bis (p- methoxy-phenyl) lethane.)	100	YES	NO	
D007	(Chromium)	50	YES	<b>NO</b>			. ,				
D008	(Lead)	1717	YF S	rio		D015	Toxaphene (Cio, Hio, Cla Technical chlorinated	0.5	YES	NO	d think amound a some some
D009	(Mercury)	0.2	YES	110			camphene, 67-69 percent chlorine.)				
D0 10	(Selenium)	10	YES	NO		D016	2, 4-D, (2,4-Dichloro- phenoxyacetic acid.)	10.0	YES	NO	
DO11	(Silver)	<i>!</i> ,()	YES	140∳						- , <i>j</i>	
				·		D017	2, 4, 5-TP Silvex (2,4, 5-Trichlorophenoxypr opionic acid.)	1.0	YES	Ng'	de 4 de recollectue de la constante de la cons

	•				Actual Value	Organi	ic Toxicity Wastes	Characteristic Leve	l (ppm)		Actual Value
	•			ИО		D031	(Heptachlor) (and its hydroxide)	0 008	YES	NO	
•			YES	NO ;		D032	(Hexachlorobenzene)	0.13	YES	NO	
			YES	NO	The second second second	D033	(Hexachlorobutadiene)	0.5	YES	NO	
L		J.0	YES	NO		D034	(Hexachloroethane)	3.0	YES	NO	-
D022	J.	60	YES	NO -		D035	(Methyl ethyl ketone)	200.0	YES	NO	
D023	(0-	200.0	YES	NO		D036	(Nitrobenzene)	2.0	YES	NO	
D024	(m-Cres	200.0	YES	NO		D037	(Pentachlorophenol)	100.0	YES	NO	
D025	(p-Cresol)	200.0	YES	NO		D038	(Pyridine)	5.0	YES	NO .	
D026	(Cresol)	200.0	YES	NO	· 14 · part management members are	D039	(Tetrachlorethylene)	0.7	YES	NO ;	
D027	(1,4-Dichlorobenzene)	7.5	YES	МО		D040	(Trichlorethylene)	0.5	YES	HO	
D028	(1,2-Dichloroethane)	0.5	YES	NO		D041	(2,4,5-Trichlorophenol)	400.0	YES	NO	
D029	(1,1-Dichloroethylene)	0.7	YES	NO :		D042	(2,4,6-Trichlorophenol)	2.0	YES	ИО	
D030	(2,4-Dinitrotoluene)	0.13	YES	NO :		D043	(Vinyl chloride)	0.2	YES	NO	

Check Yes" and initial this section if you want CyanoKEM to correct any inconsistencies. The most rapid waste approval will be achieved by authorizing CyanoKEM to make your WSCR corrections. All corrections will be consistent with the results of sample characterization and/or regulatory requirements. You will receive a copy of the corrected WSCR for your records. If you do not authorize CyanoKEM to make corrections, WSCR's must be returned to you for your correction and resubmitted for final approval. This extends your waste approval time.

Authorization to Correct WSCR: I authorize CyanoKEM to make corrections to this WSCR Form, such corrections being consistent with the results of sample characterization and/or regulatory requirements of Michigan DNR or EPA. Lunderstand that a corrected copy will be sent to me. Yes 💆 No 🗆 Initial: 🚄

NOTE: Any significant changes or deviations from the waste received versus the information on this form requires amendment.

Must be sittined by the anti-colors a manufacture of the state of the district of the district

Keny Y Coury JERRY L. COVEY Alga Camp (MLea

# **LyanokEM**

## WASTE STREAM CHARACTERIZATION RECORD

Regulations require generators and/or brokers to fully complete this Waste Stream Characterization Record before wastes can be accepted for treatment.

AMERICAN

N LI K E M

**EPA Identification Number: MID098011992** 

**Waste Lab Control Number:** 

C- Bbode

NOTE: NOTE:

PELAGE GUBMIT THE COMPLETED FORM AN A 16-10-32 OUNCE SAMPLE OF THE WAS STREAM TO: Approvals Laboratory, CyanoKE 1008 L Schnefor Hay, Detroit, MI 48227

1	Generator Information: Program	ovide generator's USEPA indent	ification number, name, add	tress, contact person and wide the name of the gene	telephone number — If yo	ou are a broker, servic	ce company or regulator
	<u></u>	0 0 8 2 9 7 5 4	1	n Pacific Railro			
	Address 1416 Dod	ge St	City Omaha		State NE	Zip Code 68	8179
	Official Contact   Jerry C	ovey Title Er	nvironmental	Telephone	(402) 271-4037	Fax	
2	Broker Information: If you a	eta broker, service company or i	egulatory agency represent	ing a generator, provide yo	our name, address, telepho	one number and conta	ict person in this section
	Name: USPCI	Official Contact	Ken Marks	Telephone: ( 316	) 268-9490	Fax: ( 316 )	268-9418
	Address: 2549 N.						
	Gen. ID: K S D 0 0	7 2 4 6 8 4 6					
3	Waste Description: Fill in all	of the blanks in this section to th	e best of your knowledge. I	"other" is checked, insert	a brief description in the s	space provided.	
	Common Chemical Name/Tra (If trade name is used, attach MSDS)	nde Name: Furning Acid	Solution, plasti	c drum	Land E	Ban Notification Rec	quired? A Yes □ I
	Process Producing Waste:	Plating Shop Clea	inup				
	DOT Shipping Name:		wids, n.o.s.		DOT Hazard Class:	8 UN/I	NA # UN1760
	Packing Group:	PG 11	Specia	al Provisions:			
	EPA Waste Number(s):	D002					
		s not a listed waste (F or K)				osive <sub>,</sub> Toxic Oxic	dizer
	Are filters present: yes □ n	KKo					
	Physical State at 70°: 🗀 Solid	I Chunks — [1] Solid Monolith	ı - El Sludge - XXI Liqui	d Other (explain):	20 gal poly dr	um	
	Visual Description:	Dk green liquid in	poly drum, fumes		American	NuKEM Repr	resentative:
			/ Mar	The second secon	Rock Hill, SC (803) 329-9690	Mahwah, NJ (201) 818-096	00 Southfield, MI (313) 559-591

4.	Check "%" or "ppm." If you use percentages, your total must equal 100%. If you use ppm and do not know exact quantities, you can use words such as "trace" or "present." Do not use words such as "unknown" or "not available."
	Specific Gravity: 1 pH: 2
	Chemical Composition in (check one): ☐ % ☐ ppm
	Arsenic NA Barium NA Cadmium NA Chromium (+6) NA Chromium Total NA
	Cobalt Copper Lead Lithium Mercury Nickel
	Silver Zinc Selenium Total Cyanides Total Sulfides Iron
	ATTACH MOST RECENT ANALYTICAL INFORMATION, IF AVAILABLE.
	Oils, Grease NA Organics NA Phenols NA Acids NA Bases NA
	Reactive Under 40CFR261.23? ☐ Yes XXX No
	Other Components:
5	Other Components and Constituents: If any of the listed constituents are known to be present, insert the amount in weight percent or ppm.
	Are any of the following present:   Yes XXX No If yes, then circle those present.
	Biological Materials Pathogens Etiological Agents Pesticides
	PCB's Radioactive Materials
6	List any special handling instructions for the materials that are known to be present.
	Indicate any special handling instructions: respirator, gloves
7	Provide best available figures.
	Approximate Amount of Waste Produced Annually: one time cleanup Amount on Hand: 1-20 gal poly drum
	· · · · · · · · · · · · · · · · · · ·
8	Check appropriate box, fill in blank(s), IF "other," describe. List all container sizes.
	Packaging for Shipment: **Drums (size) various qallons (weight) pounds   Bulk   Other:
9	Please provide your standard industrial code in the space provided.
	Standard Industrial Code (SIC): 4011
	• The state of the

10	rdetails of special requirements such as power t	ail gate, vacuum tankers, etc.			
	Transportation Equipment Requirements:				
	Provide the name and telephone number of the indiv	dual responsible for scheduling waste shipments		<u> </u>	
	Scheduling Contact:	Ken Marks	Telephone:	(316) 268-9490	

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## SAMPLE SUBMITTAL

- 1. Remove the pull-off label from the front of this form and attach it to your sample container.
- 2. Use DOT approved packaging.

3. Package this form together with a 16 to 32 ounce sample of your waste stream and send to:

(	C# .	
APPROVAL V	٧# .	

**12381 Schaefer Highway Telecopy** (313) 933, 5020

Potest, Nothigan 48227 / (313) 933-1850 FPA Residence atom 4MID 2020 (1922)

## ADDENDUM TO PROFILE

Regulations require that you certify if any of the following constituents are present at characteristic levels in your waste stream. Indicate yes or no for EACH constituent. If analytical is available, please enter this in the actual value space provided.

### **Characteristic Wastes**

						•						
D001	(characteristic of 40 CFR 261.21 (a	ignitability as defined in a) (4) (Oxidizer))			YES	NO						
D002	(characteristic of 40 CFR 261.22)	corrosivity as defined in			YES	NO ;	Harbia	ide/Pesticide Wastes Cha	racteristic Lev	el (ppm)		Actual Value
D003	(characteristic of 40 CFR 261.23 (a	reactivity as defined in a) (2), (4), (5))			YES	(NO)	DO12	Endrin (1, 2, 3, 4, 10, 10- hexachloro-1, 7- epoxy-1, 4, 4a, 5, 6, 7, 8, 8a-octahydro-1, 4-endo, endo-5, 8-dimethano-	0.02	YES	NO	
								naphthalene)				
Metal V	Wastes	Characteristic Level (ppm	)		Ac	ctual Value			0.4	VEC	NO	
D004	(Arsenic)	5.0	YES	ИО			D013	Lindane (1,2,3,4,5, 6-Hexa- chlorocyclohexane, gamma isomer.)	0.4	YES	NO	
D005	(Barium)	100.0	YES	NO				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				
D006	(Cadmium)	10	YES	NO NO			D014	Methoxychlor (1,1, 1-Trichloro-2, 2-bis (p- methoxy-phenyl) lethane.)	10.0	YES	NO	
D007	(Chromium)	5.0	YES	MO		w	D0.45	Tavantana (C) III	0.5	YES	ИО	
D008	(Lead)	60	AES	МО			D015	Toxaphene (Cm, Hm, Cla Technical chlorinated camphene, 67-69	(7.)		140)	
D009	(Mercury)	0.2	YES	MO				percent chlorine)				
DO 10		10	YF S	110			D016	2, 4-D, (2,4-Dichloro- phenoxyacetic acid.)	10.0	YES	МО	
D011	(Silver)	50	YES	МО	-		D017	2, 4, 5-TP Silvex (2,4, 5-Trichlorophenoxypr opionic acid.)	1.0	YES	NO \	
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1							· · · · · · · · · · · · · · · · · · ·				

		1.	*		•						
	exticity Wastes	Characteristic Lev	rel (ppm)		Actual Value	Organ	lc Toxicity Wastes	Characteristic Leve	el (ppm)		Actual Value
DO18	(Benzene)	0.5	YES	NO		D031	(Heptachlor) (and its hydroxide)	0.008	YES	NO	
DO 19	(Carbon Tetrachloride)	0.5	YES	NO		D032	(Hexachlorobenzene)	0.13	YES	NO	
<b>DO2</b> 0	(Chlordane)	0.03	YES	NO		D033	(Hexachlorobutadiene)	0.5	YES	NO	· · · · · · · · · · · · · · · · · · ·
DO21	(Chlorobenzene)	100.0	YES	NO		D034	(Hexachloroethane)	3.0	YES	МО	
0022	(Chloroform)	6.0	YES	NO		D035	(Methyl ethyl ketone)	200.0	YES	NO	
0023	(o-Cresol)	200 0	YES	NO	<del></del>	D036	(Nitrobenzene)	2.0	YES	NO	
0024	(m-Cresol)	200.0	YES	NO -		D037	(Pentachlorophenol)	100.0	YES	NO	
0025	(p-Cresol)	200.0	YES	NO :		D038	(Pyridine)	5.0	YES	NO	
0026	(Cresol)	200.0	YES	NO		D039	(Tetrachlorethylene)	0.7	YES	NO	**************************************
0027	(1,4-Dichlorobenzene)	7.5	YES	NO	·	D040	(Trichlorethylene)	0.5	YES	NO	
<b>)02</b> 8	(1,2-Dichloroethane)	0.5	YES	ИО		D041	(2,4,5-Trichlorophenol)	400.0	YES	NO	
029	(1,1-Dichloroethylene)	0.7	YES	NO	:	D042	(2,4,6-Trichlorophenol)	2.0	YES	МО	
ю30	(2,4-Dinitrotoluene)	0.13	YES	NO		D043	(Vinyl chloride)	0.2	YES	NO	<del></del>
										i,	

Check Yes and initial this section if you want CyanoKEM to correct any inconsistencies. The most rapid waste approval will be achieved by authorizing CyanoKEM to make your WSCR corrections. All corrections will be consistent with the results of sample characterization and/or regulatory requirements. You will receive a copy of the corrected WSCR for your records. It you do not authorize CyanoKEM to make corrections, WSCR's must be returned to you for your correction and resubmitted for final approval. This extends your waste approval time.

Authorization to Correct WSCR: I authorize CyanoKEM to make corrections to this WSCR Form, such corrections being consistent with the results of sample characterization and/or regulatory requirements of Michigan DNR or EPA. I understand that a corrected copy will be sent to me. Yes No D Initial:

NOTE: Any significant changes or deviations from the waste received versus the information on this form requires amendment.

Must be signed by the appropriate personnel representing the company generating or handling the waste.

Signature Lamy & Court

JERRY L. COUEY

Mgs ComplMea

# CyaneKEM

## WASTE STREAM CHARACTERIZATION RECORD

Regulations require generators and/or brokers to fully complete this Waste Stream Characterization Record before wastes can be accepted for treatment.

NUKEM

EPA Identification Number: MID098011992

**Waste Lab Control Number:** 

C- 82005

All items on each page must be completed. This includes the Addendum to Profile on pages 4 and 5.

Remember to sign section 13 on the WSCR as well as the "Generator Certification" at the bottom of the Addendum. This will assure you the most rapid waste.

W 22420 43017 110 3155

PLEASE SUBMIT THE COMPLETED FORM AN A 16-10-32 OUTICE SAMPLE OF THE WAS STREAM TO: Approvals Laboratory, CyanoKE 1930 1 Schooler Have, Dismit, MI 48227

Apprecia of the second	end original paperwork with sample.	• • •		
Generator Information:	Provide generator's USEPA indentification numagency representing a generator, regulations rec	ber, name, address, contact person an quire you to provide the name of the ge	nd telephone number — If you are a broker, service company $\alpha$ : enerator in this section.	julator
•	0 0 0 8 2 9 7 5 4 Na	Union Pacific Pai		
Address 1416 Dex	ge St Cit	v Onaha	State NE Zip Code 68179	
Official Contact   Jerry	1 1	oliances Measures Telephone		
Broker Information: If yo	u are a broker, service company or regulatory ag	ency representing a generator, provide	your name, address, telephone number and contact person in this	ection.
Name: USPCI	Official Contact: <u>Ken Ma</u>	arks Telephone: ( 31	6 ) <u>268-9490</u> Fax: ( 316 ) <u>268<b>-941</b></u>	<u>.                                    </u>
Address: 2549 N.	New York Ci	ty: <u>Wichita</u>	State: KS Zip: 67219	
	2 4 6 8 4 6			
Waste Description: Fill in	all of the blanks in this section to the best of you	ur knowledge. If "other" is checked. inse	ert a brief description in the space provided.	
Common Chemical Name/	Trade Name: Neutral solution,	metal debris, plating ta	nk Land Ban Notification Required? ☐ Yes	1 [_KX
Process Producing Waster	Plating Shop Cleanup	Mick	0094	·
DOT Shipping Name:	Nonregulated per 40 & 49 CFR		DOT Hazard Class: NA UN/NA # NA	
Packing Group:	<u>N</u> A	Special Provisions:		
EPA Waste Number(s):	none	······		
If your wast	e is not a listed waste (F or K) then circle	the hazardous characteristic: Igr	nitable Reactive Corrosive Toxic Oxidizer	
Are filters present: yes □		ge XXI Liquid Other (explain):∵		
Physical State at 70": 🖂 S	and Ominas - Fronki Wandhar - Fronki			
	ear liquid,debris in plating ta	nk	American NuKEM Representative	:

omposition	neck "% or "ppm. resent." Do not us	ir you use percentage e words such as "unkn	es, your total a lown" or "not a	must equal 100%. available.	II you use pp	om and do not know exa	ct quantities, y	ou can use words such	n as "trace" d
vity: 1.0	pH:7								
mposition in (cl	neck one):□%	□ ppm							
NA Bar	ium NA	Cadmium	NΛ	Chromium	NA_	Chromium (+6)	NA	Chromium Total	NA
Col	oper	Lead		Lithium		Mercury		Nickel	
Zin	c	Selenium		Total Cyanides	s	Total Sulfides		Iron	
NA	Organics	NA	Pheno	ols <u>NA</u>		Acids NA		Bases NA	<del></del>
er 40CFR261.2	23? ☐ Yes 🛮  🗷 🗖	J No							
onents:									<del></del>
onents and Co	onstituents: If a	ny of the listed constitu	uents are kno	wn to be present. I	nsert the ame	ount in weight percent o	r ppm.		
e following pres	sent: □ Yes	x⊠No If ye	es, then circ	le those present	i.				
		PBB's		Dioxins		Ra	dioactive Ma	terials	
I handling instruc	tions for the mate	rials that are known to	be present.						
special handl	ing instructions	s:		and the second of the second o	anganganan sa angan an sa angan	· regress (planteness on the page and their time			
vallable figures.									
Amount of W	aste Produced	Λnnually:	one time	cleanup	Amou	int on Hand:	1 plati	ng tank	<del>-</del>
riate box, fill in bla	ink(s). IF "other," c	describe. List all contai	ner sizes.						,
or Shinment	X Drums (size)	various		gallons (weigh	at)	pound	s MRulk	□ Other:	
				general (weigh		pound		Li Ottici.	
your standard in	dustrial code in the	space provided.							
dustrial Code (	SIC):	40.11							
				·**		and continues of the second	• • • • • • • • • • • • • • • • • • • •	And the second s	113
	mposition in (change in the mount of Water box. fill in black or Shipment:	mposition in (check one):	mposition in (check one):	ity: 1.0 pH: 7  Imposition in (check one):	nposition in (check one):	mposition in (check one):	nposition in (check one): ☐ % ☐ ppm  NA Barium NA Cadmium NA Chromium NA Chromium (+6)  Lead	inty: 1.0 ptt: 7 imposition in (check one): □ % □ ppm  NA Barium NA Cadmium NA Chromium NA Chromium (+6) NA  Copper Lead Lithium Mercury  Zinc Selenium Total Cyanides Total Sulfides  ST RECENT ANALYTICAL INFORMATION, IF AVAILABLE.  NA Organics NA Phenols NA Acids NA  er 40CFR261232 □ Yes XØ No  nents:  Connents and Constituents:  If any of the listed constituents are known to be present, insert the amount in weight percent or ppm.  Total Cyanides Total Sulfides  Pathogens Etiological Agents Pesticides  PBB's Dioxins Radioactive Ma  I handling instructions for the materials that are known to be present.  Special handling instructions:  Amount of Waste Produced Annually: One time cleanup Amount on Hand: 1 platifiate box. fill in blank(s), IF other, describe List all container sizes.  Or Shipment: ADrums (size) various gallons (weight) pounds XMBulk  your standard industrial code in the space provided.	Amount of Waste Produced Annually:    Oppm   NA   Barium   NA   Chromium   NA   Chromium   NA   Chromium   Chromium   Chromium   Chromium   NA   Chromium   Chromium

10 Give details of special requirements such as nower tail nate.

Provide the name and telephone num	per of the individual responsible for scheduling waste shipments.			
Scheduling Contact:	Kon Marks	Те	lephone:	(316) 268-9490

## GENERAL INFORMATION FOR WSCR

- Instructions for completing CyanoKEM's Waste Stream Characterization Record (WSCR) are above each section. Providing an accurate and complete form assures the most rapid waste approval. For assistance, call CyanoKEM's sales office: (313) 353-5880.
- Regulations require that all the information requested by the WSCR must be provided before wastes can be accepted at CyanoKEM. Complete this form to the best of your knowledge considering the origin and use of the materials.
- A separate WSCR must be completed for each waste sample sent to CyanoKEM.
- Your waste approval will be processed most quickly if you fill out the WSCR completely and accurately. If we find inconsistencies in your

WSCR it must be returned to you for correction and resubmitted for final approval. Alternately, to save time you should authorize CyanoKEM to correct your WSCR by checking "Yes" and signing in Item 11 above. All corrections will be consistent with the results of sample characterization and/or regulatory requirements. The most rapid waste approval will be achieved by authorizing CyanoKEM to make your WSCR corrections. You will receive a copy of the corrected WSCR for your records.

5. CyanoKEM, Inc., in compliance with 40 CFR 264.12 (b), has the appropriate permit(s) for the waste material(s) as described on this waste stream characterization record. CyanoKEM, Inc. will accept such waste material provided that any terms and conditions detailed on the contractual agreement of our quotation are met.

## **SAMPLE SUBMITTAL**

- Remove the pull-off label from the front of this form and attach it to your sample container.
- . Use DOT approved packaging.

3. Package this form together with a 16 to 32 ounce sample of your waste stream and send to:

C# .	
------	--

12381 Schaefer Highway Telecopy (313) 933 5020

- 11 of of Michigan 48227 - 7 (31 1) 933-1850 F PA Identification 米州の charge page

APPROVAL	W#	

## ADDENDUM TO PROFILE

Regulations require that you certify if any of the following constituents are present at characteristic levels in your waste stream. Indicate yes or no for EACH constituent. If analytical is available, please enter this in the actual value space provided.

#### **Characteristic Wastes**

D001	(characteristic of ignitability as defined in 40 CFR 261.21 (a) (4) (Oxidizer))	YES	NO
D002	(characteristic of corresivity as defined in 40 CFR 261.22)	YES	NO
D003	(characteristic of reactivity as defined in 40 CFR 261.23 (a) (2), (4), (5))	YES	NØ

Metal	Wastes	Characteristic Level (r	ppm)		Λctual Value
D004	(Arsenic)	(,1)	MS	VIO ·	
D005	(Barium)	tooo	YES	NO ;	
D006	(Cadmium)	1 (1	YES.	NO	
<b>D</b> 007	(Chromium)	50	Yf 3	110	•
D008	(Lead)	$r_{\gamma}$ ( )	YES	110	
D009	(Mercury)	0,2	YES	ИО	
DO 10	(Solonium)	10	YES	110	
D011	(Silver)	(57)	71.3	NO '	

Herbic	ide/Pesticide Wastes Cha	racteristic Le	vel (ppm)		Actual Va
D012	Endrin (1, 2, 3, 4, 10, 10- hexachloro -1, 7 epoxy-1, 4, 4a, 5, 6, 7, 8, 8a-octahydro-1, 4-endo. endo-5, 8-dimethano-naphthalene.)	0.02	YES	NO.	
D013	Lindane (1,2,3,4,5, 6-Hexa- chlorocyclohexane, gamma isomer.)	0.4	YES	NO.	
D014	Methoxychlor (1,1, 1-Trichloro-2, 2-bis (p- methoxy-phenyl) lethane)	10.0	YES	NO	
D015	Toxaphene (C.io, Hio, Cls Technical chlorinated camphene, 67-69 percent chlorine.)	05	YES	NO	
D016	2, 4-D, (2,4-Dichloro- phenoxyacetic acid.)	10.0	YES	NO	
D017	2. 4. 5-1P Silvex (2.4. 5-1richlorophenoxypr opionic acid.)	1.0	YES	NO	The second secon

Organ	nic Toxicity Wastes	Characteristic Leve	el (ppm)		Actual Value	Organ	ic Toxicity Wastes	Characteristic Lev	el (ppm)		Actual Val
D018	(Benzene)	0.5	YES	ON		D031	(Heptachlor) (and its hydroxide)	0.008	YES	NO	
D019	(Carbon Tetrachloride)	0.5	YES	NO		D032	(Hexachlorobenzene)	0.13	YES	NO	
D020	(Chlordane)	0.03	YES	NO		D033	(Hexachlorobutadiene)	0.5	YES	NO	***********
D021	(Chlorobenzene)	100.0	YES	NO		D034	(Hexachloroethane)	3.0	YES	NO	
D022	(Chloroform)	6.0	YES	NO		D035	(Methyl ethyl ketone)	200.0	YES	NO	
D023	(o-Cresol)	200.0	YES	NO		D036	(Nitrobenzene)	2.0	YES	NO	
D024	(m-Cresol)	200.0	YES	NO	Comment of the state of the sta	D037	(Pentachlorophenol)	100.0	YES	NO	
D025	(p-Cresol)	200.0	YES	NO	The State bearing and the state of the state	D038	(Pyridine)	5.0	YES	NO	
D026	(Cresol)	200.0	YES	NO	The second second second	D039	(Tetrachlorethylene)	0.7	YES	NO	
D027	(1,4-Dichlorobenzene)	7.5	YES	NO		D040	(Trichlorethylene)	0.5	YES	NO	
D028	(1,2-Dichloroethane)	0.5	YES	NO		D041	(2,4,5-Trichlorophenol)	400.0	YES	NO	
D029	(1,1-Dichloroethylene)	0.7	YES	NO	PER SEAS A Market September 11 (1997) AND	D042	(2,4,6-Trichlorophenol)	2.0	YES	NO	
D030	(2,4-Dinitrotoluene)	0.13	YES	NO,	in the production of commences of	D043	(Vinyl chloride)	0.2	YES	NO	

Check 'Yes' and initial this section if you want CyanoKEM to correct any inconsistencies. The most rapid waste approval will be achieved by authorizing CyanoKEM to make your WSCI corrections. All corrections will be consistent with the results of sample characterization and/or regulatory requirements. You will receive a copy of the corrected WSCR for your records. If you do not authorize CyanoKEM to make corrections, WSCR's must be returned to you for your correction and resubmitted for final approval. This extends your waste approval time.

Authorization to Correct WSCR: I authorize CyanoKEM to make corrections to this WSCR Form, such corrections being consistent with the results of sample characterization and/or regulatory requirements of Michigan DNR or EPA. I understand that a corrected copy will be sent to me. Yes 💆 No 🗆 Initial: ≤ NOTE: Any significant changes or deviations from the waste received versus the information on this form requires amendment.

Must be signed by the appropriate personnel representing the company generating or handling the waste.

GENERATOR OF STEP ROATION CONTRACTOR OF A CONT JERRY L. COVEY Mas Comps Meas

# LyanoKEM

## WASTE STREAM CHARACTERIZATION RECORD

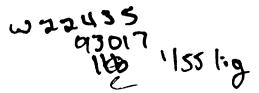
Regulations require generators and/or brokers to fully complete this Waste Stream Characterization Record before wastes can be accepted for treatment.

EPA Identification Number: MID098011992"

**Waste Lab Control Number:** 

C- 82801

All items on each page must be completed. This includes the Addendum to Profite on pages 4 and 5. Remember to sign section 13 on the WSCR as well as the "Generator Certification" at the bottom of the Addendum. This will assure you the most rapid waste that a state of the complete with example.





PLEASE SUBMIT THE COMPLETED FORM AN A 16 TO 32 OUNCE SAMPLE OF THE WAS STREAM TO: Approvals Laboratory, CyanoKE 1999 1 Schooler Hery, Detroit, MI 48227

neproced fit was lend origina	paperwork with sample.			-		
Generator Information: Provide ge agency repr	nerator's USEPA indentification in the second secon	on number, name, addre ons require you to provid	ss. contact person and t e the name of the gener	elephone number — If yo ator in this section.	u are a broker, service company of the	u' itori
Generator ID # N E D 0 0 0 8	29754	Name Unio	n Pacific Railro	oad Company		
Address 1416 Dodge St		City Omaha		State NE	Zip Code 68179	
Official Contact   Jerry Covey	Title Manager	•	sures Telephone		Fax	
Broker Information: If you are a broke	er, service company or regula	tory agency representing	a generator, provide yo	ur name, address, telepho	one number and contact person in this s	ection.
Name: USPCI	Official Contact: Ke	n Marks	_ Telephone: ( 316	) 268-9490	Fax: ( 316 ) <u>268-9418</u>	
Address: 2549 N. New York  Gen. ID: K S D 0 0 7 2 4 6 8		City: <u>Wichita</u>				
Waste Description: Fill in all of the bla	nks in this section to the bes	t of your knowledge. If "c	ther" is checked, insert	a brief description in the s	space provided.	
Common Chemical Name/Trade Nam (If trade name is used, attach MSDS)	e: Neutral solutio	n, debris, plat	ing tank	Land B	lan Notification Required? ☐ Yes	XXX
Process Producing Waste: Plat	ing Shop Cleanup	mich	gon Ro	029/		
DOT Shipping Name: Nonregul	ated per 40 & 49 C	FR	0		NA UN/NA # NA	
Packing Group: NA		Special I	Provisions:			
<b>EPA</b> Waste Number(s):	e e e		The second secon			
If your waste is not a li	sted waste (F or K) then	circle the hazardous	characteristic: Ignita	ble Reactive Corro	osive Toxic Oxidizer	
Are filters present: yes [1] no [1] Physical State at 70": [1] Solid Chunk:	s - El Solid Monolith - f	l Sludge XXX Liquid	Other (explain):			
				American	NuKEM Representative:	
Visual Description clear 1	iquid in a tank					
				☐ Rock Hilf, SC (803) 329-9690	Mahwah, NJ (201) 818-0900 Southfield, Mt (313)	550,500

4	Chemical Composition Check "%" or "ppm." If you use percentages, your total must equal 100%. If you use ppm and do not know exact quantities, you can use words such as trace or "present." Do not use words such as "unknown" or "not available."
	Specific Gravity:1.0 pl t:7
	Chemical Composition in (check one):   %   ppm
	Arsenic NA Barium NA Cadmium NA Chromium NA Chromium (+6) NA Chromium Total NA
	Cobalt Copper Lead Lithium Mercury Nickel
	Silver Zinc Selenium Total Cyanides Total Sulfides Iron
	ATTACH MOST RECENT ANALYTICAL INFORMATION, IF AVAILABLE.
i	Oils, Grease NA Organics NA Phenols NA Acids NA Bases NA
	Reactive Under 40CFR261.23? ☐ Yes XINO
	Other Components:
5	Other Components and Constituents: If any of the listed constituents are known to be present, insert the amount in weight percent or ppm.
	Are any of the following present:
	Biological Materials Pathogens Etiological Agents Pesticides
	PCB's Badioactive Materials
6	List any special handling instructions for the materials that are known to be present.
	Indicate any special handling instructions:
7	Provide best available figures.
	Approximate Amount of Waste Produced Annually: one time cleanup Amount on Hand: 1 tank
8	Check appropriate box, fill in blank(s). IF "other," describe. List all container sizes.
	Packaging for Shipment: ™ Drums (size) various gallons (weight)pounds ⊠ Bulk □ Other:
	General Companies (and ) General Gener
9	Please provide your standard industrial code in the space provided.
	Standard Industrial Code (SIC): 4011

Transportation Equipment Rec	quirements:	
Provide the name and telephone nun	nber of the individual responsible for scheduling waste shipments	· · · · · · · · · · · · · · · · · · ·
Scheduling Contact:	Ken Marks	Telephone: (316) 268-9490

## **GENERAL INFORMATION FOR WSCR**

- 1. Instructions for completing CyanoKEM's Waste Stream Characterization Record (WSCR) are above each section. Providing an accurate and complete form assures the most rapid waste approval. For assistance, call CyanoKEM's sales office: (313) 353-5880.
- 2. Regulations require that all the information requested by the WSCR must be provided before wastes can be accepted at CyanoKEM. Complete this form to the best of your knowledge considering the origin and use of the materials.
- 3. A separate WSCR must be completed for each waste sample sent to CyanoKEM.
- 4. Your waste approval will be processed most quickly if you fill out the WSCR completely and accurately. If we find inconsistencies in your

- WSCR it must be returned to you for correction and resubmitted for final approval. Alternately, to save time you should authorize CyanoKEM to correct your WSCR by checking "Yes" and signing in Item 11 above. All corrections will be consistent with the results of sample char acterization and/or regulatory requirements. The most rapid waste approval will be achieved by authorizing CyanoKEM to make your WSCR corrections. You will receive a copy of the corrected WSCR for your records.
- 5. CyanoKEM, Inc., in compliance with 40 CFR 264.12 (b), has the appropriate permit(s) for the waste material(s) as described on this waste stream characterization record CyanoKEM, Inc. will accept such waste material provider that any terms and conditions detailed on the contractual agreement of our quotation are met.

## SAMPLE SUBMITTAL

- 1. Remove the pull-off label from the front of this form and attach it to your sample container.
- 2. Use DOT approved packaging.

3. Package this form together with a 16 to 32 ounce sample of your waste stream and send to:

C#	 	

APPROVAL W#

12381 Schaefer Highway Telecopy (313) 933 5020 Potent 15 big n 48227 / (313) 933-1850 EPA Month Stop (MID 000011002)

## ADDENDUM TO PROFILE

Regulations require that you certify if any of the following constituents are present at characteristic levels in your waste stream. Indicate yes or no for EACH constituent. If analytical is available, please enter this in the actual value space provided.

Chara	cteristic Wastes				,						
D001		f ignitability as defined in (a) (4) (Oxidizer))		,	YES NO						
D002	(characteristic of 40 CFR 261.22)	corresivity as defined in		,	YES NO				.,		A . N A N A
D003	(characteristic of 40 CFR 26 L23 (	Freactivity as defined in (a) (2), (4), (5))			YES NO	Herbio	cide/Pesticide Wastes Cha	racteristic Lev			Actual Valu
						D012	Endrin (1, 2, 3, 4, 10, 10- hexachloro-1, 7- epoxy-1, 4, 4a, 5, 6, 7, 8, 8a-octahydro-1, 4-endo, endo-5, 8-dimethano-naphthalene.)	0.02	YES	NO	
Metal	Wastes	Characteristic Level (pp	om)		Actual Value	5040	1. 1. 4400.45	0.4	\/ <b>E</b> O	,	
D004	(Arsenic)	5.0	YES	NO		D013	6-Hexa- chlorocyclohexane,	0.4	YES	NO	
D005	(Barium)	100.0	YES	NO			gamma isomer.)				
D006	(Cadmium)	1 ()	YES	140		D0 14	Methoxychlor (1,1, 1-Trichloro-2, 2-bis (p- methoxy-phenyl) lethane.)	10.0	YES	NO	
D007	(Chromium)	5.0	YES	110		D045	•	0.5	V50	110	
D008	(Lead)	(, ()	YES	11()		D015	Cla Technical chlorinated	0.5	YES	NO	
D009	(Mercury)	0.2	YES	NO			camphene, 67-69 percent chlorine.)				
D010	(Sclenium)	10	YES	140		D016	2, 4-D, (2,4-Dichloro- phenoxyacetic acid.)	10.0	YES	ИО	
D011	(Silver)	50	YES	NO/	••••••••••••••••••••••••••••••••••••••	D017	2, 4, 5-TP Silvex (2,4, 5-Trichlorophenoxypr opionic acid.)	1.0	YES	NO	

Org: .i	ic Toxicity Wastes	Characteristic	Level (ppm)		Actual Value	Organ	ic Toxicity Wastes	Characteristic Lev	vel (ppm)		Actual Value
D018	(Benzene)	0.5	YES	ИО		D031	(Heptachlor) (and its hydroxide)	0.008	YES	NO	
DO 19	(Carbon Tetrachloride	) 0.5	YES	NO		D032	(Hexachlorobenzene)	0.13	YES	NO	
D020	(Chlordane)	0.03	YES	NO		D033	(Hexachlorobutadiene	0.5	YES	NO	
0021	(Chlorobenzene)	100.0	YES	NO		D034	(Hexachloroethane)	3.0	YES	NO	
)022	(Chloroform)	60	YES	NO		D035	(Methyl ethyl ketone)	200.0	YES	NO	
)023	(o-Cresol)	200.0	YES	NO		D036	(Nitrobenzene)	2.0	YES	NO	
<b>)</b> 024	(m-Cresol)	200.0	YES	NO		D037	(Pentachlorophenol)	100.0	YES	NO	
<b>)</b> 025	(p-Cresol)	200.0	YES	NO		D038	(Pyridine)	5.0	YES	МО	
<b>)</b> 026	(Cresol)	200.0	YES	, NO	- PARENTA SIGN. Advanced distance of the Control of	D039	(Tetrachlorethylene)	0.7	YES	NO	
<b>)</b> 027	(1,4-Dichlorobenzene	7.5	YES	NO	and the second second second second second second second	D040	(Trichlorethylene)	0.5	YES	NO	
<b>Ж</b> 28	(1,2-Dichloroethane)	0.5	YES	NO		D041	(2,4,5-Trichlorophenol	) 400.0	YES	NO	
ю29	(1,1-Dichloroethylene)	07	YES	NO	<u> </u>	D042	(2,4,6-Trichlorophenol)	) 2.0	YES	ИО	
<b>)</b> 030	(2,4-Dinitrotoluene)	0.13	YES	NO.	program ratio a visitation on appropri	D043	(Vinyl chloride)	0.2	YES	NO/	
1											

Check. Yes, and initial this section if you want CyanoKEM to correct any inconsistencies. The most rapid waste approval will be achieved by authorizing CyanoKEM to make your WSCR or rections. All corrections will be consistent with the results of sample characterization and/or regulatory requirements. You will receive a copy of the corrected WSCR for your records. If you do not authorize CyanoKEM to make corrections, WSCR's must be returned to you for your correction and resubmitted for final approval. This extends your waste approval time.

Authorization to Correct WSCR: I authorize CyanoKEM to make corrections to this WSCR Form, such corrections being consistent with the results of sample characterization and/or regulatory reguirements of Michigan DNR or EPA. I understand that a corrected copy will be sent to me. Yes 🗘 No 🗆 Initial:

NOTE: Any significant changes or deviations from the waste received versus the information on this form requires amendment.

Must be signed by the appropriate personnel representing the company generating or handling the waste.

Cover JERRY L. COVEY MANGE

# CyanoKEM

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## WASTE STREAM CHARACTERIZATION RECORD

Regulations require generators and/or brokers to fully complete this Waste Stream Characterization Record before wastes can be accepted for treatment.



**EPA Identification Number: MID098011992** 

**Waste Lab Control Number:** 

C-82810

All items on each page must be completed. This includes the Addendum to Profile on pages 4 and 5.

Remember to sign section 13 on the WSCR as well as the "Generator Certification" at the bottom of the Addendum. This will assure you the most rapid waste approval. Please send original paperwork with sample.

43018 119 265

PLEASE SUBMIT THE COMPLETED FORM AND A 16-TO-32 OUNCE SAMPLE OF THE WASTE STREAM TO: Approvals Laboratory, CyanoKEM 10381 Schaefer Hwy, Detroit, MI 48227

Generator Information: Provide generator's USEPA indentification number, name, address, contact person and to agency representing a generator, regulations require you to provide the name of the generator.	telephone number — If you are a broker, service company or requistory rator in this section.
Generator ID # NED000829754 Name Union Pacific Railroa	nd Company
Address 1416 Dodge St City Omaha	State NE Zip Code 68179
Official Contact	(402) 271-4037 Fax
Broker Information: If you are a broker, service company or regulatory agency representing a generator, provide you	ur name, address, telephone number and contact person in this section.
Name: USPCI Official Contact: Ken Marks Telephone: ( 316	) 268-9490 Fax: ( 316 ) 268-9418
Address: 2549 N. New York City: Wichita	
Gen. ID: K S D 0 0 7 2 4 6 8 4 6	
Waste Description: Fill in all of the blanks in this section to the best of your knowledge. If "other" is checked, insert a	a brief description in the space provided.
Common Chemical Name/Trade Name: Neutral solution, debris, plating tank (W trade name is used, attach MSDS)	Land Ban Notification Required? ☐ Yes 전 No
(If trade name is used, attach MSDS)	
(If trade name is used, attach MSDS)	Land Ban Notification Required? ☐ Yes 전 No  Of the Strate Of Of L  DOT Hazard Class: NA UN/NA # NA
(If trade name is used, attach MSDS)	DOT Hazard Class: NA UN/NA # NA
Process Producing Waste: plating shop cleanup  DOT Shipping Name: Nonregulated per 40 & 49 CFR	DOT Hazard Class: NA UN/NA # NA
Process Producing Waste:	DOT Hazard Class: NA UN/NA # NA
Process Producing Waste:    plating shop cleanup	DOT Hazard Class: NA UN/NA # NA NA NA UN/NA # NA NA NA NA UN/NA # NA
Process Producing Waste:    plating shop cleanup	DOT Hazard Class: NA UN/NA # NA NA NA NA NA NA NA NA NA UN/NA # NA

4	Chemical Composition Check "5 or "ppm. If you use percentages, your total must equal 100 If you use ppm and do not know exact quantities, you can use words such as "trace "present." Do not use words such as "unknown" or "not available."
	Specific Gravity: 1.0 pH: 7
	Chemical Composition in (check one): ☐ % ☐ ppm
	Arsenic NA Barium NA Cadmium NA Chromium NA Chromium (+6) NA Chromium Total NA
	Cobalt Copper Lead Lithium Mercury Nickel
	Silver Zinc Selenium Total Cyanides Total Sulfides Iron
	ATTACH MOST RECENT ANALYTICAL INFORMATION, IF AVAILABLE.
	Oils, Grease NA Organics NA Phenols NA Acids NA Bases NA
	Reactive Under 40CFR261.23? ☐ Yes   XXNo
	Other Components:
5	Other Components and Constituents: If any of the listed constituents are known to be present, insert the amount in weight percent or ppm.
	Are any of the following present:   Yes XX No If yes, then circle those present.
	Biological Materials Pathogens Etiological Agents Pesticides
	PCB's PBB's Dioxins Radioactive Materials
6	List any special handling instructions for the materials that are known to be present.
	Indicate any special handling instructions:
7	Provide best available figures.
	Approximate Amount of Waste Produced Annually: one time cleanup Amount on Hand: 1 plating tank
8	Check appropriate box, fill in blank(s). IF "other," describe. List all container sizes.
	Packaging for Shipment: Drums (size) various gallons (weight) pounds Bulk Other:
9	Please provide your standard industrial code in the space provided.
	Standard Industrial Code (SIC): 4011

HASIN .

## GENERAL INFORMATION FOR WSCR

- 1. Instructions for completing CyanoKEM's Waste Stream Characterization Record (WSCR) are above each section. Providing an accurate and complete form assures the most rapid waste approval. For assistance, call CyanoKEM's sales office: (313) 353-5880.
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- WSCR it must be returned to you for correction and resubmitted for final approval. Alternately, to save time you should authorize CyanoKEM to correct your WSCR by checking "Yes" and signing in Item 11 above. All corrections will be consistent with the results of sample char acterization and/or regulatory requirements. The most rapid waste approval will be achieved by authorizing CyanoKEM to make your WSCR corrections. You will receive a copy of the corrected WSCR for your records.
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## SAMPLE SUBMITTAL

- 1. Remove the pull-off label from the front of this form and attach it to your sample container.
- 2. Use DOT approved packaging.

3. Package this form together with a 16 to 32 ounce sample of your waste stream and send to:

APPROVAL W# \_\_\_\_

12381 Schaefer Highway Telecopy (313) 933 5020 Detroit, McFerrin 48227 / (313) 933-1850 FPA Identification FMID 0990 L1992

## ADDENDUM TO PROFILE

Regulations require that you certify if any of the following constituents are present at characteristic levels in your waste stream. Indicate yes or no for EACH constituent. If analytical is available, please enter this in the actual value space provided.

#### **Characteristic Wastes**

D001	(characteristic of ignitability as defined in 40 CFR 261.21 (a) (4) (Oxidizer))	YES	NO	ĺ
D002	(characteristic of corrosivity as defined in 40 CFR 261.22)	YES	NO	
D003	(characteristic of reactivity as defined in 40 CFR 261.23 (a) (2), (4), (5))	YES	NO	/

Metal Wastes		Characteristic Le	Characteristic Level (ppm)		
D004	(Arsenic)	5.0	YES	NO	
D005	(Barium)	100.0	YES	МО	
D006	(Cadmium)	1,0	YES	NO	
<b>D</b> 007	(Chromium)	5.0	YES	NO	
D008	(Lead)	50	YES	NO	
D009	(Mercury)	0.2	YES	NO	
DO 10	(Selenium)	1 ()	YES	NO	
D011	(Silver)	50	YES	NO	1

Herbio	ide/Pesticide Wastes Cha	racteristic Le	vel (ppm)		Actual Val
D012	Endrin (1, 2, 3, 4, 10, 10- hexachloro-1, 7- epoxy-1, 4, 4a, 5, 6, 7, 8, 8a-octahydro-1, 4-endo, endo-5, 8-dimethano-naphthalene.)	0.02	YES	NO	
D013	Lindane (1,2,3,4,5, 6-Hexa- chlorocyclohexane, gamma isomer.)	0.4	YES	NO	
D014	Methoxychlor (1,1, 1-Trichloro-2, 2-bis (p- methoxy-phenyl) lethane.)	10.0	YES	NO	
D015	Toxaphene (C10, H10, Cls Technical chlorinated camphene, 67-69 percent chlorine.)	0.5	YES	NO i	
D016	2, 4-D, (2,4-Dichloro- phenoxyacetic acid.)	10.0	YES	NO	
D017	2, 4, 5-TP Silvex (2,4, 5-Trichlorophenoxypr opionic acid.)	1.0	YES	NO	

Organ	ic Toxicity Wastes	Characteristic I	Level (ppm)		Actual Value	Organ	ic Toxicity Wastes	Characteristic Lev	el (ppm)		Actual Valu
<b>DO</b> 18	(Benzene)	0.5	YES	NO		D031	(Heptachlor) (and its hydroxide)	0.008	YES	NO	-
D019	(Carbon Tetrachloride	) 0.5	YES	NO		D032	(Hexachlorobenzene)	0.13	YES	NO	
<b>D</b> 020	(Chlordane)	0.03	YES	NO I	1	D033	(Hexachlorobutadiene)	0.5	YES	NO	
D021	(Chlorobenzene)	100.0	YES	NO	1	D034	(Hexachloroethane)	3.0	YES	NO	
D022	(Chloroform)	6.0	YES	NO		D035	(Methyl ethyl ketone)	200.0	YES	NO	
D023	(o-Cresol)	200.0	YES	NO		D036	(Nitrobenzene)	2.0	YES	NO	
D024	(m-Cresol)	200.0	YES	NO	1	D037	(Pentachlorophenol)	100.0	YES	МО	
D025	(p-Cresol)	200.0	YES	NO		D038	(Pyridine)	5.0	YES	NO	
D026	(Cresol)	200.0	YES	NO		D039	(Tetrachlorethylene)	0.7	YES	NO	
D027	(1,4-Dichlorobenzene)	7.5	YES	NO		D040	(Trichlorethylene)	0.5	YES	NO	
D028	(1,2-Dichloroethane)	0.5	YES	NO		D041	(2,4,5-Trichlorophenol)	400.0	YES	NO	·
D029	(1,1-Dichloroethylene)	0.7	YES	NO		D042	(2,4,6-Trichlorophenol)	2.0	YES	NO	
D030	(2,4-Dinitrotoluene)	0.13	YES	NO		D043	(Vinyl chloride)	0.2	YES	NO /	
				$\smile'$							

Check "Yes" and initial this section if you want CyanoKEM to correct any inconsistencies. The most rapid waste approval will be achieved by authorizing CyanoKEM to make your WSCR corrections. All corrections will be consistent with the results of sample characterization and or regulatory requirements. You will receive a copy of the corrected WSCR for your results if you do not authorize CyanoKEM to make corrections, WSCR's must be returned to you for your correction and resubmitted for final approval. This extends your waste approval time.

Authorization to Correct WSCR: I authorize CyanoKEM to make corrections to this WSCR Form, such corrections being consistent with the results of sample characterization and/or regulatory requirements of Michigan DNR or EPA. I understand that a corrected copy will be sent to me. Yes NOTE: Any significant changes or deviations from the waste received versus the information on this form regulars amendment.

Must be signed by the appropriate personnel representing the company generating of handling the waste.

13 wast be signed by the appropriate personner representing the company generating or handling the waste

Signature Lerry L

over "

JERRY L. COVEY

Mys Compl Mes

# CyanokeM

## WASTE STREAM CHARACTERIZATION RECORD

Regulations require generators and/or brokers to fully complete this Waste Stream Characterization Record before wastes can be accepted for treatment.

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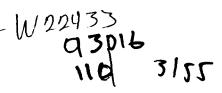
**EPA Identification Number: MID098011992** 

**Waste Lab Control Number:** 

C- 82806

All items on each page must be completed. This includes the Addendum to Profile on pages 4 and 5.

Remember to sign section 13 on the WSCR as well as the "Generator Certification" at the bottom of the Addendum. This will assure you the most rapid waste approval. Please send original paperwork with sample.



PLEASE SUBMIT THE COMPLETED FORM AI A 16 TO 32 OUNCE SAMPLE OF THE WAS STREAM TO: Approvals Laboratory, CyanoKE 12381 Schaefer Hwy, Detroit, MI 48227

approval. Please cend original paperwork with sample.	A Committee of the Comm
Generator Information: Provide generator's USEPA indentification number, name, address, contact persugner agency representing a generator, regulations require you to provide the name of the same of	son and telephone number — If you are a broker, service company of a culated the generator in this section.
Generator ID # N E D 0 0 0 8 2 9 7 5 4 Name Union Pacific R	ailroad Company
Address 1416 Dodge St City Omaha	State NE Zip Code 68179
Official Contact   Jerry Covey   Title   Manager Compliance Measures   Telep	
Broker Information: If you are a broker, service company or regulatory agency representing a generator, pr	ovide your name, address, telephone number and contact person in this section
Name: USPCI Official Contact: Ken Marks Telephone:	( 316 ) <u>268-9490</u> Fax: ( 316 ) <u>268-9418</u>
Address: 2549 N. New York City: Wichita	State: <u>KS</u> Zip: <u>67219</u>
Gen. ID: KSD007246846	
Waste Description: Fill in all of the blanks in this section to the best of your knowledge. If "other" is checked	d, insert a brief description in the space provided.
Common Chemical Name/Trade Name: Neutral solution, debris, plating tar (M trade name is used, attach MSDS)	nk Land Ban Notification Required? ☐ Yes 🛛 🛣
Process Producing Waste: Plating Shop Cleanup Mithigan	0294
Process Producing Waste: Plating Shop Cleanup Mithigan  OOT Shipping Name: Nonregulated per 40 & 49 CFR	DOT Hazard Class: NA UN/NA # NA
NIA.	
EPA Waste Number(s):none	
If your waste is not a listed waste (F or K) then circle the hazardous characteristic:	: Ignitable Reactive Corrosive Toxic Oxidizer
Are filters present: yes ロ no松 Physical State at 70°:ロ Solid Chunks -ロ Solid Monolith - ロ Sludge - 炊 Liquid - Other (expl	ain):
clear liquid in a plating tank  Visual Description:	American NuKEM Representative:
visual Description:	☐ Rock Hill, SC (803) 329-9690 ☐ Mahwah, NJ (201) 818-0900 ☐ Southfield, MI (313) 559-59

4	Chemical Composition  Check to ppm. If you use percentages, your total must equal 100 to 11 you use ppm and do not know exact quantities, you can use words such as "unknown" or "not available."
	Specific Gravity: 1.0 pH:7
	Chemical Composition in (check one): ☐ % ☐ ppm
	Arsenic NA Barium NA Cadmium NA Chromium NA Chromium (+6) NA Chromium Total NA
	Cobalt Copper Lead Lithium Mercury Nickel
	Silver Zinc Selenium Total Cyanides Total Sulfides Iron
	ATTACH MOST RECENT ANALYTICAL INFORMATION, IF AVAILABLE.
	Oils, Grease NA Organics NA Phenols NA Acids NA Bases NA
	Reactive Under 40CFR261.23? ☐ Yes 💢 No
	Other Components:
5	Other Components and Constituents: If any of the listed constituents are known to be present insert the amount in weight percent or ppm.
	Are any of the following present:   Yes XX No If yes, then circle those present.
	Biological Materials Pathogens Etiological Agents Pesticides
	PCB's PBB's Dioxins Radioactive Materials
8	List any special handling instructions for the materials that are known to be present.
	Indicate any special handling instructions:
:: 7	Provide best available figures.
•	Provide best available figures.
	Approximate Amount of Waste Produced Annually: one time cleanup Amount on Hand: 1 plating_tank
20	
5	Check appropriate box, fill in blank(s). IF "other," describe. List all container sizes.
	Packaging for Shipment: XXI Drums (size) various gallons (weight) pounds XXI Bulk
_	
9	Please provide your standard industrial code in the space provided.
	Standard Industrial Code (SIC): 4011

Anna	Company of the contract of the		The street of th	٠ ٠٠٠	
10	Cove details of special requireme	nts such as power tail gate, vacuum t	tankers, etc.		
	Transportation Equipment	Requirements:			
	$\nu_{\rm total}$ do the name and telephone	number of the individual responsible	for scheduling waste shipments.		
	Scheduling Contact:	Ken_Marks		Telephone:	(316) 268-9490
		CEN			
		GEN	ERAL INFORMATION FOR WSCR		

- 1. Instructions for completing CyanoKEM's Waste Stream Characterization Record (WSCR) are above each section. Providing an accurate and complete form assures the most rapid waste approval. For assistance, call CyanoKEM's sales office: (313) 353-5880.
- 2. Regulations require that all the information requested by the WSCR must be provided before wastes can be accepted at CyanoKEM. Complete this form to the best of your knowledge considering the origin and use of the materials.
- 3. A separate WSCR must be completed for each waste sample sent to CyanoKEM.
- 4. Your waste approval will be processed most quickly if you fill out the WSCR completely and accurately. If we find inconsistencies in your

WSCR it must be returned to you for correction a resubmitted for final approval. Alternately, to save time you should authorize CyanoKEM to correct your WSCR checking "Yes" and signing in Item 11 above. All corrections will be consistent with the results of sample chacterization and/or regulatory requirements. The managed waste approval will be achieved by authorizing CyanoKEM to make your WSCR corrections. You we receive a copy of the corrected WSCR for your records.

5. CyanoKEM, Inc., in compliance with 40 CFR 264.12 (b), I the appropriate permit(s) for the waste material(s) described on this waste stream characterization reco CyanoKEM, Inc. will accept such waste material provid that any terms and conditions detailed on the contrac al agreement of our quotation are met.

## SAMPLE SUBMITTAL

- 1. Remove the pull-off label from the front of this form and attach it to your sample container.
- 2. Use DOT approved packaging.

3. Package this form together with a 16 to 32 ounce same of your waste stream and send to:

C#	_
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**12381 Schaefer Highway Telecopy** (313) 933-5020

Detroit, Michigan 48227 / (313) 933-1850 EFA Identification # MID (939) (1999) APPROVAL W# \_\_\_\_\_

## ADDENDUM TO PROFILE

Regulations require that you certify if any of the following constituents are present at characteristic levels in your waste stream. Indicate <u>yes</u> or <u>no</u> for EACH constituent. If analytical is available, please enter this in the actual value space provided.

#### **Characteristic Wastes**

D001	(characteristic of ignitability as defined in 40 CFR 261.21 (a) (4) (Oxidizer))	YES	NO
D002	(characteristic of corrosivity as defined in 40 CFR 261.22)	YES	NO
D003	(characteristic of reactivity as defined in 40 CFR 261.23 (a) (2), (4), (5))	YES	/ NO/

Metal Wastes		Characteristic Lev	el (ppm)		Actual Value
D004	(Arsenic)	5.0	YES	МО	Action of the State of the Stat
D005	(Barium)	100.0	YES	NO	
D006	(Cadmium)	1.0	YES	NO	and the same of th
D007	(Chromium)	5.0	YES	NO	and the same and t
D008	(Lead)	5.0	YES	NO	
D009	(Mercury)	0.2	YES	ИО	
DO10	(Selenium)	1.0	YES	NO	
D011	(Silver)	5.0	YES	NO	

Herbicide/Pesticide Wastes Characteristic Level (ppm)								
D012	Endrin (1, 2, 3, 4, 10, 10- hexachloro-1, 7- epoxy-1, 4, 4a, 5, 6, 7, 8 8a-octahydro-1, 4-endo endo-5, 8-dimethano-naphthalene.)	0.02 3.	YES	NO	<u> </u>			
D013	Lindane (1,2,3,4,5, 6-Hexa- chlorocyclohexane, gamma isomer.)	0.4	YES	NO				
D014	Methoxychlor (1,1, 1-Trichloro-2, 2-bis (p- methoxy-phenyl) lethane.)	10.0	YES	NO	<del>-</del>			
D015	Toxaphene (C10, H10, Cla Technical chlorinated camphene, 67-69 percent chlorine.)	0.5	YES	NO				
D016	2, 4-D, (2,4-Dichloro- phenoxyacetic acid.)	10.0	YES	NO /	***			
DO17	2, 4, 5-TP Silvex (2,4, 5-Trichlorophenoxypr	1.0	YES	NO	<del></del>			

-	acticity Westes	Characteristic Lev	el (ppm)	de activity of the	Actual Volum					2.00	to the state of th
Boots	(Benzene)	0.5	YES	ON		D031	(Heptachlor) (and its hydroxide)	0.008	YES	NO\	
D019	(Carbon Tetrachloride)	0.5	YES	NO		D032	(Hexachlorobenzene)	0.13	YES	NO /	7
D020	(Chlordane)	0.03	YES	NO		D033	(Hexachlorobutadiene)	0.5	YES	NO	
D021	(Chlorobenzene)	100.0	YES	NO		D034	(Hexachloroethane)	3.0	YES	NO	
D022	(Chloroform)	60	YES	NO		D035	(Methyl ethyl ketone)	200.0	YES	NO	
D023	(o-Cresol)	200.0	YES	NO		D036	(Nitrobenzene)	2.0	YES	NO.	
D024	(m-Cresol)	200.0	YES	NO		D037	(Pentachlorophenol)	100.0	YES	NO	
D025	(p-Cresol)	200.0	YES	NO		D038	(Pyridine)	5.0	YES	NO	<u> </u>
D026	(Cresol)	200.0	YES	NO		D039	(Tetrachlorethylene)	0.7	YES	NO	
DO27	(1,4-Dichlorobenzene)	7.5	YES	NO		D040	(Trichlorethylene)	0.5	YES	NO	
D028	(1,2-Dichloroethane)	0.5	YES	NO		D041	(2,4,5-Trichlorophenol)	400.0	YES	NO	
D029	(1,1-Dichloroethylene)	0.7	YES	NO		D042	(2,4,6-Trichlorophenol)	2.0	YES	МО	·
D030	(2,4-Dinitrotoluene)	0.13	YES	NO		D043	(Vinyl chloride)	0.2	YES	NO/	
									\		

Check "Yes" and initial this section if you want CyanoKEM to correct any inconsistencies. The most rapid waste approval will be achieved by authorizing CyanoKEM to make your WSCF ornations. All corrections will be consistent with the results of sample characterization and or regulatory requirements. You will receive a copy of the corrected WSCR for your records. If you do not authorize CyanoKEM to make corrections, WSCR's must be returned to you for your correction and resubmitted for final approval. This extends your waste approval time.

Authorization to Correct WSCR: I authorize CyanoKEM to make corrections to this WSCR Form, such corrections being consistent with the results of sample characterization and/or regulatory requirements of Michigan DNR or EPA. I understand that a corrected copy will be sent to me. Yes No □ Initial:

NOTE: Any significant changes or deviations from the waste received versus the information on this form requires amendment.

Must be signed by the appropriate personnel representing the company generating or handling the waste.

GENERATOR CERTIFICATION of the Control that the control of an income of an income of the control of the control

over JERRY L. COVEY Mal Compl Meas

# CyanoKEM

**EPA Identification Number: MID0980 1 1992** 

**Waste Lab Control Number:** 

## WASTE STREAM CHARACTERIZATION RECORD

Regulations require generators and/or brokers to fully complete this Waste Stream Characterization Record

before wastes can be accepted for treatment.

4-55 119.



All items on each page must be completed. This includes the Addendum to Profile on pages 4 and 5. NOTE: Remember to sign section 13 on the WSCR as well as the "Generator Certification" at the bottom of the Addendum. This will assure you the most rapid waste

C- 82696

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PLEASE SUBMIT THE COMPLETED FORM A A 16 TO 32 OUNCE SAMPLE OF THE WAS STREAM TO: Approvals Laboratory, CyanoKI 12381 Schaefer Hwy, Detroit, Mt 48227

opproval Monan hend original paperwork with sample.	See a second
Generator Information: Provide generator's USEPA indentification number, name, address, contact person and agency representing a generator, regulations require you to provide the name of the generator.	telephone number — If you are a broker service compan, or regulate erator in this section.
Generator ID # NED 0 0 0 8 2 9 7 5 4 Name Union Pacific Rail	road Company
Address 1416 Dodge City Omaha	State NE Zip Code 68179
Official Contact   Jerry Covey   Title   Manager Compliances Measures   Telephone	(402) 271-4037 Fax
Broker Information: If you are a broker, service company or regulatory agency representing a generator, provide you	our name, address, telephone number and contact person in this section
Name: USPCI Official Contact: Ken Marks Telephone: ( 316	) 268-9490 Fax: ( 316 ) 268-9418
Address:2549 N. New York City: Wichita	State: KS Zip:67219
Gen. ID: KSD007246846	
Waste Description: Fill in all of the blanks in this section to the best of your knowledge. If "other" is checked, insert	t a brief description in the space provided.
Common Chemical Name/Trade Name: Neutral solution, debris, plating tank  (If trade name is used, attach MSDS)  Process Producing Wests:  Neutral solution, debris, plating tank  Plating Shop Cleanup	Land Ban Notification Required?   Yes  Yes
Process Froducing Waster.	
DOT Shipping Name: Nonregulated per 40 & 49 CFR  Packing Group: Special Provisions: Special Provisions:	DOT Hazard Class: UN/NA #
EPA Waste Number(s):none	
If your waste is not a listed waste (F or K) then circle the hazardous characteristic: Ignit	table Reactive Corrosive Toxic Oxidizer
Are filters present: yes 🗆 no 🔯  Physical State at 70°: 🗀 Solid Chunks — 🗀 Solid Monolith — 🗀 Sludge — 💢 Liquid — Other (explain):	
clear liquid, debris in plating tank Visual Description:	American NuKEM Representative:
	☐ Rock Hill, SC (803) 329 9690 ☐ Mahwah, NJ (201) 818 0900 ☐ Southfield, MI (313) 559-59

4	Chemical Composition The check the first of ppm. If you use percentages, your total must equal 100 of the you use ppm and do not know exact quantities, you can use words such as firster present." Do not use words such as funknown or not available."
	Specific Gravity:1.0 pH:7
	Chemical Composition in (check one): ☐ % ☐ ppm
	Arsenic NA Barium NA Cadmium NA Chromium NA Chromium (+6) NA Chromium Total NA
	Cobalt Copper Lead Lithium Mercury Nickel
	Silver Zinc Selenium Total Cyanides Total Sulfides Iron
	ATTACH MOST RECENT ANALYTICAL INFORMATION, IF AVAILABLE.
	Oils, Grease NA Organics NA Phenols NA Acids NA Bases NA
	Reactive Under 40CFR261.23? ☐ Yes XX☐ No
	Other Components:
5	Other Components and Constituents: If any of the listed constituents are known to be present insert the amount in weight percent or ppm.
	Are any of the following present:   Yes XXX No If yes, then circle those present.
	Biological Materials Pathogens Etiological Agents Pesticides
	PCB's PBB's Dioxins Radioactive Materials
6	List any special handling instructions for the materials that are known to be present.
<u> </u>	and the special relations of the special state of t
	Indicate any special handling instructions:
7	Provide best available figures.
	Approximate Amount of Waste Produced Annually: One time cleanup Amount on Hand: 1 plating tank
	Approximate Amount of Waste Produced Annually: One time Cleanup Amount on Hand: I plating tank
8	Check appropriate box, fill in blank(s), IF "other," describe. List all container sizes.
	Packaging for Shipment: XX Drums (size)
عبين	
9	Please provide your standard industrial code in the space provided.
	Standard Industrial Code (SIC): 4011

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was profession.

**Scheduling Contact:** 

Ken Marks

Telephone: (316) 268-9490

### **GENERAL INFORMATION FOR WSCR**

- 1. Instructions for completing CyanoKEM's Waste Stream Characterization Record (WSCR) are above each section. Providing an accurate and complete form assures the most rapid waste approval. For assistance, call CyanoKEM's sales office: (313) 353-5880.
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- WSCR it must be returned to you for correction as resubmitted for final approval. Alternately, to save tin you should authorize CyanoKEM to correct your WSCR is checking "Yes" and signing in Item 11 above. All corrections will be consistent with the results of sample characterization and/or regulatory requirements. The morapid waste approval will be achieved by authorizing CyanoKEM to make your WSCR corrections. You will receive a copy of the corrected WSCR for your records.
- 5. CyanoKEM, Inc., in compliance with 40 CFR 264.12 (b), he the appropriate permit(s) for the waste material(s) described on this waste stream characterization reconcyanoKEM, Inc. will accept such waste material provide that any terms and conditions detailed on the contract all agreement of our quotation are met.

## SAMPLE SUBMITTAL

- 1. Remove the pull-off label from the front of this form and attach it to your sample container.
- 2. Use DOT approved packaging.

3. Package this form together with a 16 to 32 ounce samp of your waste stream and send to:

C#	 

12381 Scheefer Highway Telecopy (3131.933.5020 Detroit, Michigan 48227 / (313) 933-1850 FPA Identification # MID 0990 1 1992 APPROVAL W# \_\_\_\_\_

## ADDENDUM TO PROFILE

Regulations require that you certify if any of the following constituents are present at characteristic levels in your waste stream. Indicate yes or no for EACH constituent. If analytical is available, please enter this in the actual value space provided.

#### **Characteristic Wastes**

D001		f ignitability as defined in (a) (4) (Oxidizer))		YES	S ÑO						
D002	(characteristic o 40 CFR 261.22)	f corrosivity as defined in		YES	s NO	Harbic	ide/Pesticide Wastes Cha	racteristic I e	vel (ppm)		Actual Val
D003	(characteristic o 40 CFR 261.23	f reactivity as defined in (a) (2), (4), (5))		YES	S NO	D012	Endrin (1, 2, 3, 4, 10, 10- hexachloro-1, 7- epoxy-1, 4, 4a, 5, 6, 7, 8, 8a-octahydro-1, 4-endo, endo-5, 8-dimethano-naphthalene.)	0.02	YES	NO	
Metal \	Wastes	Characteristic Level (pn	m)		Actual Value	D013	Lindane (1,2,3,4,5,	0.4	YES	! NO	
D004	(Arsenic)	5.0	YES	NO		D013	6-Hexa-chlorocyclohexane, gamma isomer.)	0.4	120		
D005	(Barium) (Cadmium)	100.0	YES YES	NO		D014	Methoxychlor (1,1, 1-Trichloro-2, 2-bis (p- methoxy-phenyl)	10.0	YES	NO	
D007	(Chromium)	5.0	YES	. NO		D015	lethane.) Toxaphene (Cin, Hin,	0.5	YES	NO	
D008	(Lead)	50	YES	NO		0010	Cla Technical chlorinated camphene, 67-69				
D009	(Mercury)	0.2	YES	МО			percent chlorine.)			i	
D010	•	1()	YES	NO :		D016	2, 4-D, (2,4-Dichloro- phenoxyacetic acid.)	10.0	YES	NO	
2.	(Silver)	5.0	YES	NO.		D017	2, 4, 5-TP Silvex (2,4, 5-Trichlorophenoxypr opionic acid.)	1.0	YES	NO	
		CONTRACTOR OF THE PARTY OF THE		· A.		Jan 1991					

		0.5	YES	No		1003	(Heptischlor) (and its hydroxide)	0.008	YES	NO	7
<b>3075</b>	(Carbon Tetrachloride)	0.5	YES	NO		D032	(Hexachlorobenzene)	0.13	YES	NO	
D020	(Chlordane)	0.03	YES	NO	<del></del>	D033	(Hexachlorobutadiene)	0.5	YES	NO	
D021	(Chlorobenzene)	100.0	YES	NO		D034	(Hexachloroethane)	3.0	YES	NO	<u> </u>
D022	(Chloroform)	6.0	YES	NO	-	D035	(Methyl ethyl ketone)	200.0	YES	NO	<del></del>
D023	(o-Cresol)	200.0	YES	NO		D036	(Nitrobenzene)	2.0	YES	NO	
D024	(m-Cresol)	200.0	YES	NO		D037	(Pentachlorophenol)	100.0	YES	NO	
D025	(p-Cresol)	200.0	YES	NO		D038	(Pyridine)	5.0	YES	NO	
D026	(Cresol)	200.0	YES	NO		D039	(Tetrachlorethylene)	0.7	YES	NO	
D027	(1,4-Dichlorobenzene)	7.5	YES	NO		D040	(Trichlorethylene)	0.5	YES	NO	<del></del>
D028	(1,2-Dichloroethane)	0.5	YES	NO		D041	(2,4,5-Trichlorophenol)	400.0	YES	NO	
D029	(1,1-Dichloroethylene)	0.7	YES	NO		D042	(2,4,6-Trichlorophenol)	2.0	YES	NO	
D030	(2,4-Dinitrotoluene)	0.13	YES	NO		D043	(Vinyl chloride)	0.2	YES	NO	

heick. Yes' and initial this section if you want CyanoKEM to correct any inconsistencies. The most rapid waste approval will be achieved by authorizing CyanoKEM to make your WS size bons. All corrections will be consistent with the results of sample characterization and or regulatory requirements. You will receive a copy of the corrected WSCR for your received. If do not authorize CyanoKEM to make corrections. WSCR's must be returned to you for your correction and resubmitted for final approval. This extends your waste approval time.

Authorization to Correct WSCR: I authorize CyanoKEM to make corrections to this WSCR Form, such corrections being consistent with the results. characterization and/or regulatory requirements of Michigan DNR or EPA. I understand that a corrected copy will be sent to me. Yes 👿 No 🗆 Initial:

NOTE: Any significant changes or deviations from the waste received versus the information on this form requires amendment.

Must be signed by the appropriate personnel representing the company generating or handling the waste.

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Siementino SINNY f' Cover 15 JERRY L. COVEY IN MOS Coupt Man

# Cyanokem

EPA Identification Number: MID0980 11992

**Waste Lab Control Number:** 

## WASTE STREAM CHARACTERIZATION RECORD

Regulations require generators and/or brokers to fully complete this Waste Stream Characterization Record

before wastes can be accepted for treatment.



All items on each page must be completed. This includes the Addendum to Profile on pages 4 and 5. NOTE: Remember to sign rection 13 on the WSCR as well as the "Generator Certification" at the bottom of the Addendum. This will assure you the most rapid waste

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W 22430

FLEASE SUBMIT THE COMPLETED FORM AN A 16 TO 32 OUNCE SAMPLE OF THE WAST STREAM TO: Approvals Laboratory, CyanoKEN 12281 Schaefer Hwy, Detroit, MI 48227

promocal filter to cend original paperwork with sample.	
Generator Information: Provide generator's USEPA indentification number, name, address, contact person and agency representing a generator, regulations require you to provide the name of the generator.	telephone number — If you are a broker service company or reselector or this section.
Generator ID # NED000829754 Name Union Pacific Railr	road Company
Address 1416 Dodge St. City Omaha	State NE Zip Code 68179
Official Contact   Jerry Covey   Title   Manager Compliance Measures   Telephone	
Broker Information: If you are a broker, service company or regulatory agency representing a generator, provide you	our name, address, telephone number and contact person in this section.
Name: USPCI Official Contact: Ken Marks Telephone: ( 316	) <u>268-9490</u> Fax: ( 316 ) <u>268-9418</u>
Address: 2549 N. New York City: Wichita	State: <u>KS</u> Zip: <u>67219</u>
Gen. ID: K S D 0 0 7 2 4 6 8 4 6	
Waste Description: Fill in all of the blanks in this section to the best of your knowledge. If "other" is checked, insert	a brief description in the space provided.
(If trade name is used attach MSDS)	nk Land Ban Notification Required?□Yes XXXN より ハ・ひょっ (ASJ9 NAJO8代
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	DOT Hazard Class: NA UN/NA # NA
Packing Group:  NA  Special Provisions:	
EPA Waste Number(s): none 12007	
If your waste is not a listed waste (F or K) then circle the hazardous characteristic: Ignita	able Reactive Corrosive Toxic Oxidizer
Are filters present: yes □ no XX  Physical State at 70°: □ Solid Chunks □ Solid Monolith □ Sludge xXX Liquid Other (explain):	metal tank
	American NuKEM Representative:
Visual Description clear liquid in metal tank w/ debris	
	Rock Hill SC (803) 329,9690 FT Mahwah N1 (201) 818,0900 FT Southfield MI (313) 559,5900

4	Chemical Composition  Check """ or "ppm." If you use percentages, your total must equal 100". If you use ppm and do not know exact quantities, you can use words such as "trace or "present." Do not use words such as "unknown" or "not available."
	Specific Gravity:1 pH:7
	Chemical Composition in (check one): ☐ % ☐ ppm
	Arsenic NA Barium NA Cadmium NA Chromium NA Chromium (+6) NA Chromium Total NA
	Cobalt Copper Lead Lithium Mercury Nickel
	ATTACH MOST RECENT ANALYTICAL INFORMATION, IF AVAILABLE.
	Oils, Grease NA Organics NA Phenols NA Acids NA Bases NA
	Reactive Under 40CFR261.23? ☐ Yes XX No
	Other Components:
5	Other Components and Constituents: If any of the listed constituents are known to be present, insert the amount in weight percent or ppm.
2	
	Are any of the following present:   Yes XX No If yes, then circle those present.  Biological Materials Pathogens Etiological Agents Pesticides
	PCB's PBB's Dioxins Radioactive Materials
6	List any special handling instructions for the materials that are known to be present.
	Indicate any special handling instructions:
H at	
7	Provide best available figures.
	Approximate Amount of Waste Produced Annually: one time cleanup Amount on Hand: 1 plating tank
ži iz	
8	Check appropriate box, fill in blank(s), IF "other," describe. List all container sizes.
	Packaging for Shipment: XX Drums (size) various gallons (weight) pounds & Bulk Other:
	gains (weight) pounds (but)
9	Please provide your standard industrial code in the space provided.
	Standard Industrial Code (SIC): 4011
	10.01

**Transportation Equipment Requirements:** 

Smith & Arists

**Scheduling** Contact:

Ken Marks

6. The name and telephone number of the individual responsible for scheduling waste shipments

Telephone: (316) 268-9490

## **GENERAL INFORMATION FOR WSCR**

- 1. Instructions for completing CyanoKEM's Waste Stream Characterization Record (WSCR) are above each section. Providing an accurate and complete form assures the most rapid waste approval. For assistance, call CyanoKEM's sales office: (313) 353-5880.
- 2. Regulations require that all the information requested by the WSCR must be provided before wastes can be accepted at CyanoKEM. Complete this form to the best of your knowledge considering the origin and use of the materials.
- 3. A separate WSCR must be completed for each waste sample sent to CyanoKEM.
- 4. Your waste approval will be processed most quickly if you fill out the WSCR completely and accurately. If we find inconsistencies in your

WSCR it must be returned to you for correction and resubmitted for final approval. Alternately, to save time you should authorize CyanoKEM to correct your WSCR by checking "Yes" and signing in Item 11 above. All corrections will be consistent with the results of sample char acterization and/or regulatory requirements. The most rapid waste approval will be achieved by authorizing CyanoKEM to make your WSCR corrections. You will receive a copy of the corrected WSCR for your records.

5. CyanoKEM, Inc., in compliance with 40 CFR 264.12 (b), has the appropriate permit(s) for the waste material(s) as described on this waste stream characterization record CyanoKEM, Inc. will accept such waste material provided that any terms and conditions detailed on the contractual agreement of our quotation are met.

### SAMPLE SUBMITTAL

- 1. Remove the pull-off label from the front of this form and attach it to your sample container.
- 2. Use DOT approved packaging.

3. Package this form together with a 16 to 32 ounce sample of your waste stream and send to:

U#	 

APPROVAL W# \_\_\_\_\_

12381 Schaefer Highway / Detroit Michigan 48227 / (313) 933-1850 Telecopy (313) 933-5020 FDA Identification #MID 09801 (999

## ADDENDUM TO PROFILE

Regulations require that you certify if any of the following constituents are present at characteristic levels in your waste stream. Indicate yes or no for EACH constituent. If analytical is available, please enter this in the actual value space provided.

#### **Characteristic Wastes** YES NO **D001** (characteristic of ignitability as defined in 40 CFR 261.21 (a) (4) (Oxidizer)) YES NO D002 (characteristic of corrosivity as defined in 40 CFR 261.22) **Actual Valu** Herbicide/Pesticide Wastes Characteristic Level (ppm) NO (characteristic of reactivity as defined in YES D003 40 CFR 261.23 (a) (2), (4), (5)) YES NO **D012** Endrin (1, 2, 3, 4, 10, 0.02 10- hexachloro-1, 7epoxy-1, 4, 4a, 5, 6, 7, 8, 8a-octahydro-1, 4-endo, endo-5, 8-dimethanonaphthalene.) **Actual Value Metal Wastes** Characteristic Level (ppm) YES NO 0.4 **D013** Lindane (1,2,3,4,5, 6-Hexa-5.0 YES NØ D004 (Arsenic) chlorocyclohexane. gamma isomer.) 100.0 YES NO<sub>1</sub> D005 (Barium) 10.0 YES NO D014 Methoxychlor (1.1. 1-Trichloro-2, 2-bis (p-10 YES NO (Cadmium) methoxy-phenyl) lethane) 150 YES NO D007 (Chromium) YES NO D015 Toxaphene (Cio, Hio, 0.5 Cla Technical YES NO B000 (Lead) 50 chlorinated camphene, 67-69 YES NO 0.2 (Mercury) percent chlorine.) D016 2, 4-D, (2,4-Dichloro-10.0 YES NO YES NO (Selenium) 10 phenoxyacetic acid.) DO11 (Silver) 50 YES. NO

**D017** 2, 4, 5-TP Silvex (2,4,

5-Trichlorophenoxypr opionic acid.)

1.0

YES

NO

Organ	ic Toxicity Wastes	Characteristic Le	vei (ppm)	<i>(</i> :	Actual Value	Organ	ic Toxicity Wastes	Characteristic Leve	el (ppm)		Actual Value
DO18	(Benzene)	0.5	YES	NO		D031	(Heptachlor) (and its hydroxide)	0.008	YES	NO	
D019	(Carbon Tetrachloride)	0.5	YES	NO		D032	(Hexachlorobenzene)	0.13	YES	NO	
<b>D</b> 020	(Chlordane)	0.03	YES	NO		D033	(Hexachlorobutadiene)	0.5	YES	NO	
D021	(Chlorobenzene)	100.0	YES	NO		D034	(Hexachloroethane)	3.0	YES	NO	
D022	(Chloroform)	6.0	YES	NO		D035	(Methyl ethyl ketone)	200.0	YES	NO	
D023	(o-Cresol)	200.0	YES	NO		D036	(Nitrobenzene)	2.0	YES	NO	
D024	(m-Cresol)	200.0	YES	NO		D037	(Pentachlorophenol)	100.0	YES	NO	
D025	(p-Cresol)	200.0	YES	NO		D038	(Pyridine)	5.0	YES	NO	
D026	(Cresol)	200.0	YES	NO		D039	(Tetrachlorethylene)	0.7	YES	МО	-
D027	(1,4-Dichlorobenzene)	7.5	YES	NO		D040	(Trichlorethylene)	0.5	YES	NO	
D028	(1,2-Dichloroethane)	0.5	YES	NO		D041	(2,4,5-Trichlorophenol)	400.0	YES	NO	
D029	(1,1-Dichloroethylene)	0.7	YES	NO	Name and the same	D042	(2,4,6-Trichlorophenol)	2.0	YES	NO	
D030	(2,4-Dinitrotoluene)	0.13	YES	NO	*	D043	(Vinyl chloride)	0.2	YES	NO	
			`	`/							

Check. Yes, and initial this section if you want CyanoKEM to correct any inconsistencies. The most rapid waste approval will be achieved by authorizing CyanoKEM to make your WSCR corrections. All corrections will be consistent with the results of sample characterization and/or regulatory requirements. You will receive a copy of the corrected WSCR for your records. If you do not authorize CyanoKEM to make corrections. WSCR's must be returned to you for your correction and resubmitted for final approval. This extends your waste approval time.

Authorization to Correct WSCR: I authorize CyanoKEM to make corrections to this WSCR Form, such corrections being consistent with the results of sample characterization and/or regulatory requirements of Michigan DNR or EPA. I understand that a corrected copy will be sent to me. Yes No I Initial:

NOTE: Any significant changes or deviations from the waste received versus the information on this form requires amendment.

13 Must be signed by the appropriate personnel representing the company generating or handling the waste.

GENERATOR CERTIFICATION — The control of the Construction of the first of the properties and recognitive agency of the control of the control of interesting properties.

Sign that Jerry Toury

Ignown or congress to the action of the

JERRY L. COVEY

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# CyanoKEM

## WASTE STREAM CHARACTERIZATION RECORD

Regulations require generators and/or brokers to fully complete this Waste Stream Characterization Record before wastes can be accepted for treatment.

AMERICAN

N M K E M

EPA Identification Number: MID0980 11992

**Waste Lab Control Number:** 

C- 80807

All items on each page must be completed. This includes the Addendum to Profile on pages 4 and 5.

Remember to sign section 13 on the WSCR as well as the "Generator Certification" at the bottom of the Addendum. This will assure you the most rapid waste

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3155 lig

PLEASE SURMIT THE COMPLETED FORM ALA 16 TO 32 OUNCE SAMPLE OF THE WAS STREAM TO: Approvals Laboratory, CyanoKE 1238 L Schaefer Hwy, Detroit, MI 48227

approximation and original paperwork with sample.	•
Generator Information: Provide generator's USEPA indentification number, name, address, contact pagency representing a generator, regulations require you to provide the name	person and telephone number — If you are a broker, service company or regula <b>g</b> of the generator in this section.
Generator ID # N E D 0 0 0 8 2 9 7 5 4 Name Union	Pacific Railroad Company
Address 1416 Dodge St City Omaha	State NE Zip Code 68179
Official Contact   Jerry Covey   Title   Manager Compliance Measures   Te	elephone (402) 271-4037 Fax
Broker Information: If you are a broker, service company or regulatory agency representing a generator	. provide your name, address, telephone number and contact personal life.
Name: USPCI Official Contact: Ken Marks Telephor	ne: ( 316 ) <u>268-9490</u> Fax: ( 316 ) <u>268-9413</u>
Address: 2549 N. New York City: Wichita	State: KS Zip: 67219
Gen. ID: K S D 0 0 7 2 4 6 8 4 6	
Waste Description: Fill in all of the blanks in this section to the best of your knowledge. If "other" is chec	cked, insert a brief description in the space provided.
Common Chemical Name/Trade Name: Neutral solution, debris, plating tank (If trade name is used, attach MSDS)	Land Ban Notification Required? ☐ Yes 🛛 🛣
Process Producing Waste: plating shop cleanup Michigan  Nonregulated per 40 & 49 CFR	Repulpined Waste 0291
DOT Shipping Name: Nonregulated per 40 & 49 CFR	DOT Hazard Class: NA UN/NA # NA
Packing Group: NA Special Provisions:	
EPA Waste Number(s): none	
If your waste is not a listed waste (Γ or K) then circle the hazardous characteris	
Are filters present: yes □ no ⅨX	
Physical State at 70°: □ Solid Chunks □ Solid Monolith □ Sludge XX Liquid Other (ex	xplain):
cloudy liquid w/ oily top layer in plating tank Visual Description:	American NuKEM Representative.
	☐ Rock Hill, SC (803) 329-9690 ☐ Mahwah, NJ (201) 818-0900 ☐ Southfield, MI (3+3) 55±0

4	Chemical Composition Check "%" or "ppm." If you use percentages, your total must equal 100%. If you use ppm and do not know exact quantities, you can use words such as "trace" o "present." Do not use words such as "unknown" or "not available."
	Specific Gravity: 1.0 pH: 7
	Chemical Composition in (check one): ☐ % ☐ ppm
	Arsenic NA Barium NA Cadmium NA Chromium NA Chromium (+6) NA Chromium Total NA
	Cobalt Copper Lead Lithium Mercury Nickel
	Silver Zinc Selenium Total Cyanides Total Sulfides Iron
	ATTACH MOST RECENT ANALYTICAL INFORMATION, IF AVAILABLE.
	Oils, GreaseNA OrganicsNA PhenolsNA AcidsNA BasesNA
	Reactive Under 40CFR261.23? ☐ Yes XXNo
	Other Components:
5	Other Components and Constituents: If any of the listed constituents are known to be present, insert the amount in weight percent or ppm.
	Are any of the following present:
	Biological Materials Pathogens Etiological Agents Pesticides
	PCB's Radioactive Materials
6	List any special handling instructions for the materials that are known to be present.
	Indicate any special handling instructions:
	mulcate any special nandling instructions.
7	Provide best available figures.
	Approximate Amount of Waste Produced Annually: one time cleanup Amount on Hand: 1 plating tank
io	
8	Check appropriate box, fill in blank(s). IF "other," describe. List all container sizes.
	Packaging for Shipment: XX Drums (size) various gallons (weight) pounds XX Bulk   Other:
9	Please provide your standard industrial code in the space provided.
	Standard Later 1 (200) 4011
	Standard Industrial Code (SIC):
	AND SECURITY OF THE PROPERTY O

#### ation Equipment Requirements:

aide the name and telephone number of the individual responsible for scheduling waste shipments.

Scheduling Contact:

Ken Marks

Telephone:

(316) 268-9490

## GENERAL INFORMATION FOR WSCR

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- 4. Your waste approval will be processed most quickly if you fill out the WSCR completely and accurately. If we find inconsistencies in your

WSCR it must be returned to you for correction ar resubmitted for final approval. Alternately, to save tin you should authorize CyanoKEM to correct your WSCR to checking "Yes" and signing in Item 11 above. All corrections will be consistent with the results of sample characterization and/or regulatory requirements. The more rapid waste approval will be achieved by authorizin CyanoKEM to make your WSCR corrections. You will receive a copy of the corrected WSCR for your records.

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### SAMPLE SUBMITTAL

- 1. Remove the pull-off label from the front of this form and attach it to your sample container.
- 2. Use DOT approved packaging.

3. Package this form together with a 16 to 32 ounce sample of your waste stream and send to:

C#	
_	

12381 Schaefer Highway Telecopy (313) 933 5000 Princet Michigan 18227 / (31.8) 933-1850 FPA Confidential + MIC (2004) 1922

APPROVAL	W#	

## ADDENDUM TO PROFILE

Regulations require that you certify if any of the following constituents are present at characteristic levels in your waste stream. Indicate <u>yes</u> or <u>no</u> for EACH constituent. If analytical is available, please enter this in the actual value space provided.

#### **Characteristic Wastes**

D001		ignitability as defined in (a) (4) (Oxidizer))		ΥĽ	S NO						
D002	(characteristic of 40 CFR 261.22)	eristic of corrosivity as defined in YES 261.22)									
D003		reactivity as defined in		YE	S NO	Herbic	ide/Pesticide Wastes Cha	racteristic Lev	el (ppm)		Actual Valu
	40 CFR 261.23 (a) (2), (4), (5))					DO12	Endrin (1, 2, 3, 4, 10, 10- hexachloro-1, 7- epoxy-1, 4, 4a, 5, 6, 7, 8, 8a-octahydro-1, 4-endo, endo-5, 8-dimethano-naphthalene.)	0.02	YES	NO	
Metal '	Wastes	Characteristic Level (ppm)			Actual Value						
D004	(Arsenic)	50	YES	ИО	· · · · · · · · · · · · · · · · · · ·	D013	6-Hexa- chlorocyclohexane,	0.4	YES	NO	
D005	(Barium)	100.0	YES	110			gamma isomer.)				
D006	(Cadmium)	10	YES	140		D014	1-Trichloro-2, 2-bis (p methoxy-phenyl)	100	YES	OM	
D007	(Chromium)	50	YES	NO			lethane.)				
D008	(t.ead)	5.0	YES	140		D015	Cla Technical chlorinated	0.5	YES	NO	
D009	(Mercury)	0.2	YES i	110			camphene, 67-69 percent chlorine.)				
D010	(Selenium)	1.0	YES	100		D016	2, 4-D, (2,4-Dichloro- phenoxyacetic acid.)	10:0	YES	МО	
D011	(Silver)	(,()	ALC:	110		DO 17	2, 4, 5-TP Silvex (2,4, 5-Trichlorophenoxypr opionic acid.)	1 ()	YES	Nd	



Organ	ic Toxicity Wastes	Characteristic Level	l (ppm)		Actual Value	Organ	ic Toxicity Wastes	Characteristic Leve	el (ppm)		Actual Val
D018	(Benzene)	0.5	YES	NO		D031	(Heptachlor) (and its hydroxide)	0.008	YES	NO	
DO19	(Carbon Tetrachloride)	0.5	YES	NO		D032	(Hexachlorobenzene)	0.13	YES	МО	
D020	(Chlordane)	0.03	YES	NO		D033	(Hexachlorobutadiene	0.5	YES	NO	
D021	(Chlorobenzene)	100.0	YES	NO		D034	(Hexachloroethane)	3.0	YES	NO	
D022	(Chloroform)	6.0	YES	NO		D035	(Methyl ethyl ketone)	200.0	YES	NO	
D023	(o-Cresol)	200.0	YES	NO		D036	(Nitrobenzene)	2.0	YES	NO	
D024	(m-Cresol)	200.0	YES	NO		D037	(Pentachlorophenol)	100.0	YES	NO	
D025	(p-Cresol)	200.0	YES	NO		D038	(Pyridine)	5.0	YES	NO	<del> </del>
D026	(Cresol)	200.0	YES	- NO		D039	(Tetrachlorethylene)	0.7	YES	NO	
D027	(1,4-Dichlorobenzene)	7.5	YES	NO		D040	(Trichlorethylene)	0.5	YES	ОИ	
D028	(1,2-Dichloroethane)	0.5	YES	NO		D041	(2,4,5-Trichlorophenal	4000	YES	Ю	
D029	(1,1-Dichloroethylene)	0.7	YES	NO		D042	(2,4,6-Trichlorophenol)	2.0	YES	NO	
D030	(2,4-Dinitrotoluene)	0.13	YES	NO		D043	(Vinyl chloride)	0.2	YES	NO	

Check "Yes" and initial this section if you want CyanoKEM to correct any inconsistencies. The most rapid waste approval will be achieved by authorizing CyanoKEM to make your WSC corrections. All corrections will be consistent with the results of sample characterization and/or regulatory requirements. You will receive a copy of the corrected WSCR for your records. If you do not authorize CyanoKEM to make corrections, WSCR's must be returned to you for your correction and resubmitted for final approval. This extends your waste approval time.

Authorization to Correct WSCR: I authorize CyanoKEM to make corrections to this WSCR Form, such corrections being consistent with the results of characterization and/or regulatory requirements of Michigan DNR or EPA. I understand that a corrected copy will be sent to me. Yes 💆 No 🗆 Initial: <a href="mailto:characterization">Characterization</a> and/or regulatory requirements of Michigan DNR or EPA. I understand that a corrected copy will be sent to me. Yes 💆 No 🗆 Initial: <a href="mailto:characterization">Characterization</a> and/or regulatory requirements of Michigan DNR or EPA. I understand that a corrected copy will be sent to me. Yes 💆 No 🗆 Initial: <a href="mailto:characterization">Characterization</a> and/or regulatory requirements of Michigan DNR or EPA. I understand that a corrected copy will be sent to me. Yes 💆 No 🗆 Initial: <a href="mailto:characterization">Characterization</a> characterization and/or regulatory requirements of Michigan DNR or EPA. I understand that a corrected copy will be sent to me. NOTE: Any significant changes or deviations from the waste received versus the information on this form requires amendment.

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# CyanoKkin

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Regulations require generators and/or brokers to fully complete this Waste Stream Characterization Record before wastes can be accepted for treatment.

EPA Identification Number: MID098011992

**Waste Lab Control Number:** 

C- 9.2913

All items on each page must be completed. This includes the Addendom to Profile on pages 4 and 5 Remember to sign section 13 on the WSCR as well as the "Generator Certification" at the bottom of the Addendum. This will assure you the most rapid waste.

93016 1180 4155 119/155

PLEASE SUBMIT THE COMPLETED FORM AND A 16 TO 32 OUNCE SAMPLE OF THE WASTE STREAM TO: Approvals Laboratory, CyanoKEM, 1933 1 Schaefer Hwy, Detroit, MI 48227

approval Plane rend original paperwork with sample.	·
Generator Information: Provide generator's USEPA indentification number, name, address, contact person and agency representing a generator, regulations require you to provide the name of the generator.	telephone number $\sim$ If you are a broker, service company or resolutory erator in this section.
Generator ID # N E D 0 0 0 8 2 9 7 5 4 Name Union Pacific Railr	oad Company
Address 1416 Dodge St City Omaha	State NE Zip Code 68179
Official Contact	(316) 271-4037 Fax
Broker Information: If you are a broker, service company or regulatory agency representing a generator, provide you	our name, address, telephone number and contact person in this section.
Name: USPCI Official Contact: Ken Marks Telephone: ( 31	6 <u>) 268-9490</u> Fax: (316 ) <u>268-9418</u>
Address: 2549 N. New York City: Wichita	State: KS Zip:67219
Gen. ID: KSD007246846	
Waste Description: Fill in all of the blanks in this section to the best of your knowledge. If "other" is checked, insert	a brief description in the space provided
weste bescription.	a bher description in the space provided.
	Land Ban Notification Required? ☐ Yes XXX No
Common Chemical Name/Trade Name: Neutral Solution, debris, plating tank (If trade name is used, attach MSDS)	Land Ban Notification Required? ☐ Yes XXX No
Common Chemical Name/Trade Name: Neutral Solution, debris, plating tank (If trade name is used, attach MSDS)	Land Ban Notification Required? ☐ Yes XXX No
Common Chemical Name/Trade Name: Neutral Solution, debris, plating tank  (If trade name is used, attach MSDS)  Process Producing Waste: plating shop cleanup	Land Ban Notification Required? ☐ Yes XXX No  * (
Common Chemical Name/Trade Name: Neutral Solution, debris, plating tank  (If trade name is used, attach MSDS)  Process Producing Waste: plating shop cleanup	Land Ban Notification Required? ☐ Yes XXX No  ***CONTRACTOR OF THE DOT Hazard Class: NA UN/NA # NA
Common Chemical Name/Trade Name: Neutral Solution, debris, plating tank  (If trade name is used, attach MSDS)  Process Producing Waste: plating shop cleanup	Land Ban Notification Required? ☐ Yes XXX No  # p
Common Chemical Name/Trade Name: Neutral Solution, debris, plating tank  (If trade name is used, attach MSDS)  Process Producing Waste: plating shop cleanup  Nonregulated per 40 & 49 CFR  Packing Group: NA Special Provisions:  EPA Waste Number(s): Thomas (1) 1/2 L  If your waste is not a listed waste (F or K) then circle the hazardous characteristic: Ignit  Are filters present: yes [] no [XX]	Land Ban Notification Required? Tes XXX No
Common Chemical Name/Trade Name: Neutral Solution, debris, plating tank  (If trade name is used, attach MSDS)  Process Producing Waste: plating shop cleanup	Land Ban Notification Required? Yes XXX No
Common Chemical Name/Trade Name: Neutral Solution, debris, plating tank  (If trade name is used, attach MSDS)  Process Producing Waste: plating shop cleanup	Land Ban Notification Required? Tes XXX No
Common Chemical Name/Trade Name: Neutral Solution, debris, plating tank  (If trade name is used, attach MSDS)  Process Producing Waste: plating shop cleanup  Nonregulated per 40 & 49 CFR  Packing Group: NA Special Provisions:  EPA Waste Number(s): Thomas (1) 1/2 L  If your waste is not a listed waste (F or K) then circle the hazardous characteristic: Ignit  Are filters present: yes [] no [XX]	Land Ban Notification Required? Yes XXX No

-	present. Jornot tise words stich as unknown of nor available.
	Specific Oravity 1.0 pH: 7
	Chemical Composition in (check one): ☐ % ☐ ppm
	Arsenic NA Barium NA Cadmium NA Chromium NA Chromium (+6) NA Chromium Total NA
	Cobalt Copper Lead Lithium Mercury Nickel
	Silver Zinc Selenium Total Cyanides Total Sulfides Iron
	ATTACH MOST RECENT ANALYTICAL INFORMATION, IF AVAILABLE.
	Oils, Grease NA Organics NA Phenols NA Acids NA Bases NA Bases NA
	Reactive Under 40CFR261.23? Tyes - XXX No
	Other Components:
5	Other Components and Constituents: If any of the listed constituents are known to be present, insert the amount in weight percent or ppm.
	Are any of the following present: L1 Yes 文気No If yes, then circle those present.
	Biological Materials Pathogens Etiological Agents Pesticides
	PCB's Radioactive Materials
6	List any special handling instructions for the materials that are known to be present.
İ	Indicate any special handling instructions:
7	Provide best available figures.
	Annual to the contract of the cleanup
	Approximate Amount of Waste Produced Annually: one time cleanup Amount on Hand: 1 plating tank
8	Check appropriate box, fill in blank(s), IF "other," describe. List all container sizes.
	Packaging for Shipment: XXDrums (size) various gallons (weight) pounds XXBulk □ Other:
9	Please provide your standard industrial code in the space provided.
	Standard Industrial Code (SIC): 4011
	Standard Industrial Code (SIC):
10	Give details of special requirements such as power tail gate, vacuum tenkoro, etc.

10	Give details of special requirements such as power tail gate, vacuum tankers, etc.

**Transportation Equipment Requirements:** 

Provide the name and telephone number of the individual responsible for scheduling waste shipments

**Scheduling Contact:** 

Ken Marks

Telephone:(316) 268-9490

### GENERAL INFORMATION FOR WSCR

- 1. Instructions for completing CyanoKEM's Waste Stream Characterization Record (WSCR) are above each section. Providing an accurate and complete form assures the most rapid waste approval. For assistance, call CyanoKEM's sales office: (313) 353-5880.
- 2. Regulations require that all the information requested by the WSCR must be provided before wastes can be accepted at CyanoKEM. Complete this form to the best of your knowledge considering the origin and use of the materials.
- 3. A separate WSCR must be completed for each waste sample sent to CyanoKEM.
- 4. Your waste approval will be processed most quickly if you fill out the WSCR completely and accurately. If we find inconsistencies in your

- WSCR it must be returned to you for correction and resubmitted for final approval. Alternately, to save time you should authorize CyanoKEM to correct your WSCR by checking "Yes" and signing in Item 11 above. All corrections will be consistent with the results of sample characterization and/or regulatory requirements. The most rapid waste approval will be achieved by authorizing CyanoKEM to make your WSCR corrections. You will receive a copy of the corrected WSCR for your records.
- 5. CyanoKEM, Inc., in compliance with 40 CFR 264.12 (b), has the appropriate permit(s) for the waste material(s) as described on this waste stream characterization record. CyanoKEM, Inc. will accept such waste material provided that any terms and conditions detailed on the contractual agreement of our quotation are met.

### SAMPLE SUBMITTAL

- 1. Remove the pull-off label from the front of this form and attach it to your sample container.
- 2. Use DOT approved packaging.

3. Package this form together with a 16 to 32 ounce sample of your waste stream and send to:

11	American	Nul(FM1	Соптрапу

C#		

APPROVAL W# \_\_\_\_\_

12381 Schaefer Highway Telecopy (313) 0.23 (60.0) 15-6 3 26-hig in 48227 (31.3) 933-1950 (15) Marinton in 2004 (15) 6000 (15) 600

## ADDENDUM TO PROFILE

Regulations require that you certify if any of the following constituents are present at characteristic levels in your waste stream. Indicate <u>yes</u> or <u>no</u> for EACH constituent. If analytical is available, please enter this in the actual value space provided.

#### **Characteristic Wastes**

D001	(characteristic of ignitability as defined in 40 CFR 261.21 (a) (4) (Oxidizer))	YES	√NO j
D002	(characteristic of corrosivity as defined in 40 CFR 261.22)	YES	NO
D003	(characteristic of reactivity as defined in 40 CFR 261.23 (a) (2), (4), (5))	YES	/NO/

Metal Wastes		Characteristic Lev	Characteristic Level (ppm)					
D004	(Arsenic)	5.0	YES	100	as were more detailed to the property			
D005	(Barium)	100.0	YES	100				
<b>D006</b>	(Cadmium)	10	YES	NO				
D007	(Chromium)	50	YES	NO				
D008	(Lead)	<i>f</i> <sub>2</sub> (3	71.8	MO				
D009	(Метсигу)	0.2	YES	: 140				
D010	(Selenium)	1 ()	YES	<u>,</u> 110				
D011	(Silver)	1. ()	YES	МО				

Herbic	ide/Pesticide Wastes Cha	racteristic Lev	el (ppm)		Actual Valu
DO12	Endrin (1, 2, 3, 4, 10, 10- hexachloro-1, 7- epoxy-1, 4, 4a, 5, 6, 7, 8. 8a-octahydro-1, 4-endo, endo-5, 8-dimethano-naphthalene.)	0.02	YES	NO	
D013	Lindane (1,2,3,4,5, 6-Hexa- chlorocyclohexane, gamma isomer.)	0.4	YES	NO	
DO14	Methoxychlor (1,1, 1-Trichloro-2, 2-bis (p- methoxy-phenyl) lethane.)	10.0	YES	NO	
D015	Toxaphene (Cie, Hie, Cla Technical chlorinated camphene, 67-69 percent chlorine.)	0.5	YES	NO	
DO 16	2, 4-D, (2,4-Dichloro phenoxyacetic acid.)	10.0	YES	NO	
D017	2, 4, 5-TP Silvex (2,4, 5-Trichlorophenoxypr opionic acid.)	10	YES	NO/	

Organi	ic Toxicity Wastes	Characteristic L	evel (ppm)		Actual Value	Organ	ic Toxicity Wastes	Characteristic Lev	el (ppm)		Actual Value
D018	(Benzene)	0.5	YES	NO	***************************************	D031	(Heptachlor) (and its hydroxide)	0.008	YES	NO	
D019	(Carbon Tetrachloride	0.5	YES	NO :		D032	(Hexachlorobenzene)	0.13	YES	NO	<del></del>
D020	(Chlordane)	0.03	YES	NO	and the state of t	D033	(Hexachlorobutadiene)	0.5	YES	NO	***
D021	(Chlorobenzene)	100.0	YES	NO		D034	(Hexachloroethane)	3.0	YES	NO	
D022	(Chloroform)	60	YES	ИО		D035	(Methyl ethyl ketone)	200.0	YES	NO	
D023	(o-Cresol)	200.0	YES	NO		D036	(Nitrobenzene)	2.0	YES	NO	*
D024	(m-Cresol)	200.0	YES	NO	is provided to the stagger special matter appears to	D037	(Pentachlorophenol)	100.0	YES	NO	
D025	(p-Cresol)	200 0	YES	NO 1	CONTROL OF THE COST OF THE COST OF THE COST	D038	(Pyridine)	5.0	YES	NO	
D026	(Cresol)	200.0	YES	NO		D039	(Tetrachlorethylene)	0.7	YES	NO	
D027	(1,4-Dichlorobenzene	7.5	YES	NO :		D040	(Trichlorethylene)	0.5	YES	NO	-
D028	(1,2 Dichloroethane)	0.6	YES	ио		D041	(2,4,5-Trichlorophenol)	400 0	YES	МО	
D029	(1,1-Dichloroethylene)	0.7	YES	МО		D042	(2,4,6-Trichlorophenol)	2.0	YES	NO	······································
D030	(2,4-Dinitrotoluene)	0.13	YES	МО		D043	(Vinyt chloride)	0.2	YES	NO	

Check 'Yes" and initial this section if you want CyanoKEM to correct any inconsistencies. The most rapid waste approval will be achieved by authorizing CyanoKEM to make your WSCR corrections. All corrections will be consistent with the results of sample characterization and/or regulatory requirements. You will receive a copy of the corrected WSCR for your records. If you do not authorize CyanoKEM to make corrections, WSCR's must be returned to you for your correction and resubmitted for final approval. This extends your waste approval time.

Authorization to Correct WSCR: I authorize CyanoKEM to make corrections to this WSCR Form, such corrections being consistent with the results of sample characterization and/or regulatory requirements of Michigan DNR or EPA. Lunderstand that a corrected copy will be sent to me. Yes 🗘 No 🗆 Initial: 🚄

NOTE: Any significant changes or deviations from the waste received versus the information on this form requires amendment.

Must be signed by the appropriate in the propriate in the state of the

Leny / Corry

JERRY L. COVEY Man Complande

# **CyanoK**ÈM

## WASTE STREAM CHARACTERIZATION RECORD

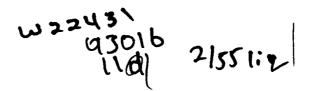
Regulations require generators and/or brokers to fully complete this Waste Stream Characterization Record before wastes can be accepted for treatment.



**EPA Identification Number: MID098011992** 

Waste I	Lab Contro	ol Number:	C-	855	305

NOTE: NOTE: All items on each page must be completed. This includes the Addendum to Profile on pages 4 and 5. Remember to sign section 13 on the WSCR as well as the "Generator Certification" at the bottom of the Addendum. This will assure you the most rapid waste approval. Plance aend original paperwork with sample.



PLEASE SUBMIT THE COMPLETED FORM AND A 16-10-32 OUNCE SAMPLE OF THE WASTE STREAM TO: Approvals Laboratory, CyanoKEV 12384 Schaefer Hwy, Detroit, MI 48227

	Generator Information: Provide generator's USEPA indentification number, name, address, contact person and telephone number — If you are a broker, service company or require agency representing a generator, regulations require you to provide the name of the generator in this section.	tory
	Generator ID # NED000829754 Name Union Pacific Railroad Company	
	Address 1416 Dodge St City Onaha State NE Zip Code 68179	
	Official Contact   Jerry Covey   Title   Manager Compliance Measures   Telephone   (402) 271-4037   Fax	
2	Broker Information: If you are a broker, service company or regulatory agency representing a generator, provide your name, address, telephone number and contact person in this sect	on.
	lame: <u>USPCI</u> Official Contact: <u>Ken Marks</u> Telephone: ( 316 ) <u>268-9490</u> Fax: ( 316 ) <u>268-9418</u>	
	Address: 2549 N. New York City: Wichita State: KS Zip: 67719	
	Gen. ID: KSD007246846	
3	Vaste Description: Fill in all of the blanks in this section to the best of your knowledge. It "other" is checked, insert a brief description in the space provided.	
	Common Chemical Name/Trade Name: Neutral solution, brownish-white residue, debris in tank and Ban Notification Required? 🗆 Yes 🔏	<u></u>
	Process Producing Waste: Plating Shop Cleanup HA2 WASHE Liquid, NOT (1A15 9 NA3095)	) 
	OOT Shipping Name: Nonregulated per 40 & 49 CFR DOT Hazard Class: NA UN/NA # NA	
	Packing Group: N A Special Provisions: Special	
	(For K) then circle the hazardous characteristic: Ignitable Reactive Corrosive Toxic Oxidizer	
	Are filters present: yes El no El	
	Physical State at 70°x网 Solid Chunks - El Solid Monolith - El Sludge - x因 Liquid - Other (explain):	
	American NuKEM Representative:	
	☐ Rock Hill, SC (803) 329-9590 ☐ Mahwah, NJ (201) 818-0900 ☐ Southfield, Mi (313) 559	-5900

- · ·	Chemical Composition Check "%" or "ppm. If "present." Do not use w	r you use percentages, your total n vords such as "unknown" or "not a	iust equal 100° . If you use ppm . vailable."	and do not know exact quantities, yo	u can use words such as trace
	Specific Gravity: 1.0 pH: 7				
C	Chemical Composition in (check one): ☐ %	□ ppm			
f	arsenic NA Barium NA	Cadmium NA	Chromium NA	Chromium (+6) NA	Chromium Total NA
c	Cobalt Copper	Lead	Lithium	Mercury	Nickel
			Total Cyanides	Total Sulfides	Iron
A	TTACH MOST RECENT ANALYTICAL INFOR	RMATION, IF AVAILABLE.			
C	ils, Grease NA Organics _	N/A Phenol	s <u>NA</u>	Acids NA	Bases NA
R	eactive Under 40CFR261.23? 🖂 Yes 🗆 💹 N	No			
C	ther Components:				
ਗ <b>ਨ</b>	ther Components and Constituents: If any	of the beted constituents are known	m to be present upport the amount	at a maight parant a para	
	re any of the following present:			it in weight percent or ppm.	
	iological MaterialsPa	•	•	Pesticides	
	lological materials	4009010	Eliological rigerite	/ Colloid Co	
Р	CB'sPI		Dioxins	Radioactive Mate	erials
	CB'sPI	BB's	Dioxins	Radioactive Mate	erials
	CB'sPlants any special handling instructions for the material	BB's	Dioxins	Radioactive Mate	erials
<b>3</b>		BB'sls that are known to be present.			erials
	ist any special handling instructions for the material indicate any special handling instructions:	BB'sls that are known to be present.			erials
	ist any special handling instructions for the material	BB'sls that are known to be present.			erials
6 Ir	ist any special handling instructions for the material adicate any special handling instructions:  rovide best available figures.	BB's			erials
ir A	ist any special handling instructions for the material indicate any special handling instructions:  rovide best available figures.  pproximate Amount of Waste Produced A	BB's  Is that are known to be present.  nnually:  one time c		on Hand: 1 tank	erials
ir A	ist any special handling instructions for the material adicate any special handling instructions:  rovide best available figures.	BB's  Is that are known to be present.  nnually:  one time c			erials
ir A	ist any special handling instructions for the material indicate any special handling instructions:  rovide best available figures.  pproximate Amount of Waste Produced A	Is that are known to be present.  nnually:  one time container sizes.		on Hand: 1 tank	□ Other:
	ist any special handling instructions for the material idicate any special handling instructions: rovide best available figures.  pproximate Amount of Waste Produced A check appropriate box. fill in blank(s). IF "other," desackaging for Shipment: ***Drums (size)	Is that are known to be present.  nnually:  one time classifies. List all container sizes.  various	Leanup Amount	on Hand: 1 tank	
	ist any special handling instructions for the material adicate any special handling instructions:  rovide best available figures.  pproximate Amount of Waste Produced A	Is that are known to be present.  nnually:  one time classifies. List all container sizes.  various	Leanup Amount	on Hand: 1 tank	
	adicate any special handling instructions:  rovide best available figures.  pproximate Amount of Waste Produced A  check appropriate box, fill in blank(s), IF "other," des  ackaging for Shipment: ***Drums (size)	Is that are known to be present.  nnually:  one time classifies. List all container sizes.  various	Leanup Amount	on Hand: 1 tank	

**Transportation Equipment Requirements:** 

Provide the name and telephone number of the individual responsible for scheduling waste shipments

**Scheduling Contact:** 

Ken Marks

Telephone: (316) 268-9490

## GENERAL INFORMATION FOR WSCR

- 1. Instructions for completing CyanoKEM's Waste Stream Characterization Record (WSCR) are above each section. Providing an accurate and complete form assures the most rapid waste approval. For assistance, call CyanoKEM's sales office: (313) 353-5880.
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- 2. Use DOT approved packaging.

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C#	 

**12381 Schaefer Highway Telecopy (313)** 933 5000

Training 11 - Jaigan 48227 / (3.13) 933-1850 F. P. Meightfordien (4.14) earns (1.15) APPROVAL W# \_\_\_\_\_

## ADDENDUM TO PROFILE

Regulations require that you certify if any of the following constituents are present at characteristic levels in your waste stream. Indicate <u>yes</u> or <u>no</u> for EACH constituent. If analytical is available, please enter this in the actual value space provided.

D003   Characteristic of reactivity as defined in 40 CFR 26123 (a) (2), (4), (5)   VES   NO	Charac	cteristic Wastes										
Actual Value	D001				Y	es (NO)						
Dotago	D002				Υ		Herbic	ide/Pesticide Wastes Cha	racteristic Lev	el (ppm)		Actual Value
Metal Wastes   Characteristic Level (ppm)   Actual Value	D003				Y	ES NO∕		Endrin (1, 2, 3, 4, 10, 10- hexachloro-1, 7- epoxy-1, 4, 4a, 5, 6, 7, 8.				
D004 (Arsenic)   5.0   YES   NO								endo-5, 8-dimethano-				
D004 (Arsenic)   50   YES   NO	Metal \	Wastes	Characteristic Level (r	opm)		Actual Value	D0.13	Lindana (1.2.3.4.5	0.4	YES	NO	
D005 (Barium)   100 0   YES   NO   D014   Methoxychlor (1,1,   100   YES   NO     1-Irichloro-2, 2-bis (p-methoxy-phenyl)   lethane	D004	(Arsenic)	5.0	YES	NO		0013	6-Hexa- chlorocyclohexane,	<b>V</b> . <b>I</b>	, 20		
D006 (Cadmium)	D005	(Barium)	100.0	YES	NO		D044		10.0	VES	NO	
D007 (Chromium)         50         YES         NO           D008 (Lead)         50         YES         NO           D009 (Mercury)         0.2         YES         NO           D010 (Selenium)         1.0         YES         NO         D016 2, 4-D, (2,4-Dichlorophenoxyacetic acid.)         10.0         YES         NO           D011 (Silver)         5.0         YES         NO         D017 2, 4, 5-TP Silvex (2,4, 5-TP Silvex (2,4, 1.0         YES         NO	D006	(Cadmium)	1 ()	YES	NO	en e	0014	1-Trichloro-2, 2-bis (pemethoxy-phenyt)	((,,,,	16.57		
D008 (Lead)         50         YES         NO         Clis Technical chlorinated camphene, 67-69 percent chlorine.)           D009 (Mercury)         0.2         YES         NO         D016 2, 4-D, (2,4-Dichlorophenoxyacetic acid.)         10.0         YES         NO           D011 (Silver)         5.0         YES         NO         D017 2, 4, 5-TP Silvex (2,4, 5-TP Silvex (2,4, 5-Trichlorophenoxypr         NO         NO	D007	(Chromium)	50	YES	ИО		D045		0.5	VES	NO	
D009 (Mercury)         Q2         YES         NO         percent chlorine.)           D010 (Selenium)         1.0         YES         NO         D016 2, 4-D, (2,4-Dichlorophenoxyacetic acid.)         10.0         YES         NO	D008	(Lead)	(50)	YES	110		0015	Cla Technical chlorinated	(7.7)	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
D010 (Selenium)  phenoxyacetic acid.)  D011 (Silver)  5.0 YES NO  D017 2, 4, 5-TP Silvex (2,4, 1.0 YES NO  5-Trichlorophenoxypr	D009	(Mercury)	0.2	YES	ыо			· · · · · · · · · · · · · · · · ·				
D017 2, 4, 5-TP Silvex (2,4, 1.0 YES NO 5-Trichlorophenoxypr	<b>D</b> 010	(Selenium)	10	YES	NO		D016		10.0	YES	NO	
5-Trichlorophenoxypr	D011	(Silver)	5.0	YES	NO		D047	2 4 6-TD Silvey (2.4	1.0	VES	NO	
5-Trichlorophenoxypr					discourse and a finite of the			5-Trichlorophenoxypr	ANTE CAMP TO	nen saka 19		

Organ	ic Toxicity Wastes	Characteristic L	evel (ppm)		Actual Value	Organ	ic Toxicity Wastes	Characteristic Lev	el (ppm)		Actual Valu
DO18	(Benzene)	0.5	YES	NO		D031	(Heptachlor) (and its hydroxide)	0.008	YES	NO )	Water-1997
DO19	(Carbon Tetrachloride	0.5	YES	;NO		D032	(Hexachlorobenzene)	0.13	YES	NC	
D020	(Chlordane)	0.03	YES	NO		D033	(Hexachlorobutadiene)	0.5	YES	NO	
D021	(Chlorobenzene)	100.0	YES	NO		D034	(Hexachloroethane)	3.0	YES	NO	
D022	(Chloroform)	6.0	YES	NO		D035	(Methyl ethyl ketone)	200.0	YES	NO	·
D023	(o-Cresol)	200 0	YES	NO		D036	(Nitrobenzene)	2.0	YES	NO	
D024	(m-Cresol)	200.0	YES	NO		D037	(Pentachlorophenol)	100.0	YES	NO	·
D025	(p-Cresol)	200.0	YES	NO		D038	(Pyridine)	5.0	YES	NO	
D026	(Cresol)	200.0	YES	NO	to a second control of the second	D039	(Tetrachlorethylene)	0.7	YES	NO	
D027	(1,4-Dichlorobenzene	7.5	YES	NO		D040	(Trichlorethylene)	0.5	YES	NO	
D028	(1,2-Dichloroethane)	0.5	YES	NO		D041	(2,4,5-Trichlorophenol)	400.0	YES	NO	· · · · · · · · · · · · · · · · · · ·
D029	(1,1-Dichloroethylene	0.7	YES	NO		D042	(2,4,6-Trichlorophenol)	2.0	YES	NO	<del></del>
D030	(2,4-Dinitrotoluene)	0.13	YES	NO	***	D043	(Vinyl chloride)	0.2	YES	NO	

Check "Yes" and initial this section if you want CyanoKEM to correct any inconsistencies. The most rapid waste approval will be achieved by authorizing CyanoKEM to make your WSCR order class. All corrections will be consistent with the results of sample characterization and/or regulatory requirements. You will receive a copy of the corrected WSCR for your records. If you do not authorize CyanoKEM to make corrections, WSCR's must be returned to you for your correction and resubmitted for final approval. This extends your waste approval time.

Authorization to Correct WSCR: I authorize CyanoKEM to make corrections to this WSCR Form, such corrections being consistent with the results of sample characterization and/or regulatory requirements of Michigan DNR or EPA. I understand that a corrected copy will be sent to me. Yes 🕽 No 🗆 Initial: 🚄 NOTE: Any significant changes or deviations from the waste received versus the information on this form requires amendment.

Must be signed by the appropriate personnel representing the company generating or handling the waste.

# CyanoKEM

## WASTE STREAM CHARACTERIZATION RECORD

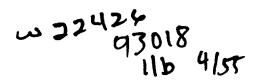
Regulations require generators and/or brokers to fully complete this Waste Stream Characterization Record before wastes can be accepted for treatment.

**EPA Identification Number: MID098011992** 

**Waste Lab Control Number:** 

C- 82697

All items on each page must be completed. This includes the Addendum to Profile on pages 1 and 5. NOTE: Remember to sign section 13 on the WSCR as well as the "Generator Certification" at the bottom of the Addendum. This will assure you the most rapid waste approval 12 to a rend original paperwork with sample.





PLEASE SUBMIT THE COMPLETED FORM AND A 16 TO 32 OUNCE SAMPLE OF THE WASTI STREAM TO: Approvals Laboratory, CyanoKEN 12291 Schriefer Hwy, Detroit, MI 48227

	Generator Information:	Provide generator's USEPA indentific agency representing a generator, regu	ation number, name, address, contact perso lations require you to provide the name of th	on and telephone number — If you he generator in this section.	are a broker, service company or requiatory.
	Generator ID # N E D	0 0 0 8 2 9 7 5 4	Name Union Pacific Ra	ailroad Company	
	Address 1416 Dodg	ge St	City Omaha	State NE	Zip Code 68179
	Official Contact   Jerry	Covey Title Manag	er Compliance Measures Telep	hone (402) 271-4037	Fax
2	Broker Information: If you	u are a broker, service company or reg	gulatory agency representing a generator, pro	ovide your name, address, telephone	number and contact person in this section.
	Name: USPCI	Official Contact: _	Ken Marks Telephone: (	316 ) 268-9490	Fax: ( 316 ) 268-9418
	Address:2549 N.	New York	Ken Marks Telephone: ( City: Wichita	State: KS	Zip:67219
	Gen. ID: KSD00	7 2 4 6 8 4 6			
3			best of your knowledge. If "other" is checked	l. insert a brief description in the spa	ce provided.
	Common Chemical Name/ (If trade name is used, attach MSDS)	rrade Name.	lution, debris, plating tank	Land Bar	Notification Required? ☐ Yes XX☐ No
	Process Producing Waste:	Plating Shop Cle	anup // ) ( // 9 CFR	0294	
	DOT Shipping Name:	Nonregulated per 40 & 4	9 CI <sup>r</sup> R	DOT Hazard Class:	NA UN/NA # NA
			Special Provisions:		
	EPA Waste Number(s):	none			
	If your waste	e is not a listed waste (F or K) the	en circle the hazardous characteristic:	Ignitable Reactive Corrosi	ve Toxic Oxidizer
	Are filters present: yes D Physical State at 70°: D Se		El Sludge XX Liquid Other (expla	ain):	
				American N	uKEM Representative:
	Visual Description:	k green liquid, greenish	-white solid, debris in plat	ing tank	Ì

4	4 Chemical Composition "present." Do not use words such as "unknown" or "not available."	exact quantities, you can use words such	as mice o
	Specific Gravity: 1.0 pH: 6-7		
	Chemical Composition in (check one): ☐ % ☐ ppm		
	Arsenic NA Barium NA Cadmium NA Chromium NA Chromium (	+6) <u>NA</u> Chromium Total	NA )
	Cobalt Copper Lead Lithium Mercury	Nickel	
	Silver Zinc Selenium Total Cyanides Total Sulfide	eslron	
	ATTACH MOST RECENT ANALYTICAL INFORMATION, IF AVAILABLE.		
	Oils, Grease NA Organics NA Phenols NA Acids NA	Bases <u>NA</u>	
	Reactive Under 40CFR261.23? ☐ Yes XX No		
	Other Components:		<del>.</del>
5	Other Components and Constituents: If any of the listed constituents are known to be present, insert the amount in weight percent.	ent or ppm.	
	Are any of the following present: ☐ Yes X⊠ No If yes, then circle those present.		
	man and a second control of the second contr		
	Biological Materials Pathogens Etiological Agents	Pesticides	<del> </del>
	PCB's PBB's Dioxins Dioxins		
	PCB's Dioxins  List any special handling instructions for the materials that are known to be present.	Radioactive Materials	
	PCB's Dioxins	Radioactive Materials	
	PCB's Dioxins  List any special handling instructions for the materials that are known to be present.	Radioactive Materials	
	PCB's Dioxins  List any special handling instructions for the materials that are known to be present.  Indicate any special handling instructions:	Radioactive Materials	
	PCB's PBB's	Radioactive Materials	
3	PCB's	Radioactive Materials	
	PCB's Dioxins  List any special handling instructions for the materials that are known to be present.  Indicate any special handling instructions:  Provide best available figures.  Approximate Amount of Waste Produced Annually: onetime_cleanup Amount on Hand:	Radioactive Materials	
	PCB's	Radioactive Materials	
	PCB's	Radioactive Materials	
	PCB's	Radioactive Materials	

10

Give details of special requirements such as power tail gate, vacuum tankers, etc.

(Give details of special requirements such as power tail gate, vacuum tankers, etc.	
Transportation Equipment Requirements:	
Provide the name and telephone number of the individual responsible for scheduling waste shipments.	

**Scheduling Contact:** 

Ken Marks

Telephone: (316) 268-9490

## **GENERAL INFORMATION FOR WSCR**

- 1. Instructions for completing CyanoKEM's Waste Stream Characterization Record (WSCR) are above each section. Providing an accurate and complete form assures the most rapid waste approval. For assistance, call CyanoKEM's sales office: (313) 353-5880.
- 2. Regulations require that all the information requested by the WSCR must be provided before wastes can be accepted at CyanoKEM. Complete this form to the best of your knowledge considering the origin and use of the materials.
- 3. A separate WSCR must be completed for each waste sample sent to CyanoKEM.
- 4. Your waste approval will be processed most quickly if you fill out the WSCR completely and accurately. If we find inconsistencies in your

WSCR it must be returned to you for correction resubmitted for final approval. Alternately, to save to you should authorize CyanoKEM to correct your WSCR checking "Yes" and signing in Item 11 above. All cortions will be consistent with the results of sample chacterization and/or regulatory requirements. The managed waste approval will be achieved by authoriz CyanoKEM to make your WSCR corrections. You receive a copy of the corrected WSCR for your records.

5. CyanoKEM, Inc., in compliance with 40 CFR 264.12 (b), the appropriate permit(s) for the waste material(s) described on this waste stream characterization reconstruction. CyanoKEM, Inc. will accept such waste material provious that any terms and conditions detailed on the contract all agreement of our quotation are met.

### SAMPLE SUBMITTAL

- 1. Remove the pull off label from the front of this form and attach it to your sample container.
- 2. Use DOT approved packaging.

3. Package this form together with a 16 to 32 ounce sam of your waste stream and send to:

12381 Schaefer Highway Telecopy (313) 933-5020 First oit, Michigan 48227 / (313) 933-1850 FPA Identification #MID 8993-11999

	0"	
APPROVAL	W#	

## ADDENDUM TO PROFILE

Regulations require that you certify if any of the following constituents are present at characteristic levels in your waste stream. Indicate yes or no for EACH constituent. If analytical is available, please enter this in the actual value space provided.

#### **Characteristic Wastes**

DO11 (Silver)

**D001** (characteristic of ignitability as defined in 40 CFR 261.21 (a) (4) (Oxidizer))

D002	(characteristic of 40 CFR 261.22	YES (NO)			
D003	(characteristic of 40 CFR 261.23	YES NO/			
Metal '	Wastes	Characteristic Level (ppn	1)		Actual Value
D004	(Arsenic)	. 50	YES	ŅΟ	
D005	(Barium)	1000	YES	NO	
<b>D00</b> 6	(Cadmium)	10	YES	NO	
D007	(Chromium)	50	YES	ИО	
D008	(Lead)	50	YES	ИО	
D009	(Mercury)	0.2	YES	NO	
DO 10	(Selenium)	to	YES	/ NO /	
				, i	

Herbic	Actual Valu				
D012	Endrin (1, 2, 3, 4, 10, 10- hexachloro-1, 7- epoxy-1, 4, 4a, 5, 6, 7, 8, 8a-octahydro-1, 4-endo, endo-5, 8-dimethano-naphthalene.)	0.02	YES	NO	
DO13	Lindane (1,2,3,4,5, 6-Hexa- chlorocyclohexane, gamma isomer )	0.4	YES	NO	
DO 14	Methoxychlor (1,1, 1-Trichloro-2, 2-bis (p- methoxy-phenyl) lethane)	100	YES	NO	
D015	Toxaphene (Cio, Hio, Cla Technical chlorinated camphene, 67-69 percent chlorine.)	0.5	YES	NO	
D016	2, 4-D, (2,4-Dichloro- phenoxyacetic acid.)	10.0	YES	МО	
D017	2, 4, 5-TP Silvex (2,4, 5-Trichlorophenoxypropionic acid.)	1,0	YES	NO/	

ilo Toxicity Wastes	Characteristic L	evel (ppm)		Actual Value	Organi	ic Toxicity Wastes	Characteristic Leve	el (ppm)		Actual Value
(Benzene)	0.5	YES	би		D031	(Heptachlor) (and its hydroxide)	0.008	YES	NO	
(Carbon Tetrachloride)	0.5	YES	NO		D032	(Hexachlorobenzene)	0.13	YES	NO	<del></del>
(Chlordane)	0.03	YES	NO		D033	(Hexachlorobutadiene)	0.5	YES	NO	
(Chlorobenzene)	100.0	YES	NO		D034	(Hexachloroethane)	3.0	YES	NO	
(Chloroform)	6.0	YES	NO		D035	(Methyl ethyl ketone)	200.0	YES	NO	
(o-Cresol)	200.0	YES	NO	· · · · · · · · · · · · · · · · · · ·	D036	(Nitrobenzene)	2.0	YES	NO	
(m-Cresol)	200.0	YES	NO,		D037	(Pentachlorophenol)	100.0	YES	NO	
(p-Cresol)	200.0	YES	NO		D038	(Pyridine)	5.0	YES	NO	
(Cresol)	2000	YES	NO	A of the Property of State Street Configuration	D039	(Tetrachlorethylene)	0.7	YES	NO	
(1,4-Dichlorobenzene)	7.5	YES	NO	· · · · · · · · · · · · · · · · · · ·	D040	(Trichlorethylene)	0.5	YES	NO	
(1,2-Dichloroethane)	0.5	YES	NO	A ALIGNAPORA CONTRACTOR OF THE PARTY OF THE	D041	(2,4,5-Trichlorophenol)	400.0	YES	NO	
(1,1-Dichloroethylene)	0.7	YES	NO		D042	(2,4,6-Trichlorophenol)	2.0	YES	NO	
(2,4-Dinitrotoluene)	0.13	YES	NO	The second section of the sect	D043	(Vinyl chloride)	0.2	YES	NO)	
	(Benzene) (Carbon Tetrachloride) (Chlordane) (Chlorobenzene) (Chloroform) (o-Cresol) (m-Cresol) (p-Cresol) (Cresol) (1,4-Dichlorobenzene) (1,2-Dichloroethane) (1,1-Dichloroethylene)	(Benzene)       0.5         (Carbon Tetrachloride)       0.5         (Chlordane)       0.03         (Chlorobenzene)       100.0         (Chloroform)       6.0         (o-Cresol)       200.0         (m-Cresol)       200.0         (p-Cresol)       200.0         (Cresol)       200.0         (1,4-Dichlorobenzene)       7.5         (1,2-Dichloroethane)       0.5         (1,1-Dichloroethylene)       0.7	(Benzene)       0.5       YES         (Carbon Tetrachloride)       0.5       YES         (Chlordane)       0.03       YES         (Chlorobenzene)       100.0       YES         (Chloroform)       6.0       YES         (o-Cresol)       200.0       YES         (m-Cresol)       200.0       YES         (p-Cresol)       200.0       YES         (Cresol)       200.0       YES         (1,4-Dichlorobenzene)       7.5       YES         (1,2-Dichloroethane)       0.5       YES         (1,1-Dichloroethylene)       0.7       YES	(Benzene)         0.5         YES         NO           (Carbon Tetrachloride)         0.5         YES         NO           (Chlordane)         0.03         YES         NO           (Chlorobenzene)         100.0         YES         NO           (Chloroform)         6.0         YES         NO           (o-Cresol)         200.0         YES         NO           (m-Cresol)         200.0         YES         NO           (p-Cresol)         200.0         YES         NO           (1,4-Dichlorobenzene)         7.5         YES         NO           (1,2-Dichloroethane)         0.5         YES         NO           (1,1-Dichloroethylene)         0.7         YES         NO	(Benzene)         0.5         YES         NO           (Carbon Tetrachloride)         0.5         YES         NO           (Chlordane)         0.03         YES         NO           (Chlorobenzene)         100.0         YES         NO           (Chloroform)         6.0         YES         NO           (o-Cresol)         200.0         YES         NO           (m-Cresol)         200.0         YES         NO           (p-Cresol)         200.0         YES         NO           (Cresol)         200.0         YES         NO           (1,4-Dichlorobenzene)         7.5         YES         NO           (1,2-Dichloroethane)         0.5         YES         NO           (1,1-Dichloroethylene)         0.7         YES         NO	(Benzene)         0.5         YES         NO         D031           (Carbon Tetrachloride)         0.5         YES         NO         D032           (Chlordane)         0.03         YES         NO         D033           (Chlorobenzene)         100.0         YES         NO         D034           (Chloroform)         6.0         YES         NO         D035           (o-Cresol)         200.0         YES         NO         D036           (m-Cresol)         200.0         YES         NO         D037           (p-Cresol)         200.0         YES         NO         D038           (Cresol)         200.0         YES         NO         D039           (1,4-Dichlorobenzene)         7.5         YES         NO         D040           (1,2-Dichloroethane)         0.5         YES         NO         D041           (1,1-Dichloroethylene)         0.7         YES         NO         D042	(Benzene)         0.5         YES         NO         D031 (Heptachlor) (and its hydroxide)           (Carbon Tetrachloride)         0.5         YES         NO         D032 (Hexachlorobenzene)           (Chlorodane)         0.03         YES         NO         D033 (Hexachlorobutadiene)           (Chlorobenzene)         100.0         YES         NO         D034 (Hexachlorobutadiene)           (Chloroform)         6.0         YES         NO         D035 (Methyl ethyl ketone)           (o-Cresol)         200.0         YES         NO         D036 (Nitrobenzene)           (m-Cresol)         200.0         YES         NO         D037 (Pentachlorophenol)           (p-Cresol)         200.0         YES         NO         D038 (Pyridine)           (Cresol)         200.0         YES         NO         D039 (Tetrachlorethylene)           (1,4-Dichloroethane)         7.5         YES         NO         D040 (Trichlorethylene)           (1,2-Dichloroethane)         0.5         YES         NO         D041 (2,4,5-Trichlorophenol)           (1,1-Dichloroethylene)         0.7         YES         NO         D042 (2,4,6-Trichlorophenol)	(Benzene)         0.5         YES         NO         D031 (Heptachlor) (and its hydroxide)         0.008 (and its hydroxide)           (Carbon Tetrachloride)         0.5         YES         NO         D032 (Hexachlorobenzene)         0.13           (Chlorotane)         0.03         YES         NO         D033 (Hexachlorobutadiene)         0.5           (Chlorotorm)         6.0         YES         NO         D034 (Hexachlorobutadiene)         3.0           (Chloroform)         6.0         YES         NO         D035 (Methyl ethyl ketone)         200.0           (o-Cresol)         200.0         YES         NO         D036 (Nitrobenzene)         2.0           (m-Cresol)         200.0         YES         NO         D037 (Pentachlorophenol)         100.0           (p-Cresol)         200.0         YES         NO         D038 (Pyridine)         5.0           (Cresol)         200.0         YES         NO         D039 (Tetrachlorethylene)         0.7           (1,4-Dichloroethane)         0.5         YES         NO         D040 (Trichlorophenol)         400.0           (1,2-Dichloroethylene)         0.7         YES         NO         D042 (2,4,6-Trichlorophenol)         2.0	(Benzene)         0.5         YES         NO         D031 (Heptachlor) (and its hydroxide)         0.008         YES           (Carbon Tetrachloride)         0.5         YES         NO         D032 (Hexachlorobenzene)         0.13         YES           (Chlorodane)         0.03         YES         NO         D033 (Hexachlorobutadiene)         0.5         YES           (Chlorobenzene)         100.0         YES         NO         D034 (Hexachlorobutadiene)         3.0         YES           (Chloroform)         6.0         YES         NO         D035 (Methyl ethyl ketone)         200.0         YES           (o-Cresol)         200.0         YES         NO         D036 (Nitrobenzene)         2.0         YES           (p-Cresol)         200.0         YES         NO         D037 (Pentachlorophenol)         100.0         YES           (Cresol)         200.0         YES         NO         D038 (Pyridine)         5.0         YES           (Cresol)         200.0         YES         NO         D039 (Tetrachlorethylene)         0.7         YES           (1,4-Dichlorobenzene)         7.5         YES         NO         D040 (Trichlorethylene)         0.5         YES           (1,2-Dichloroethylene)         0.7	(Benzene)         0.5         YES         NO         D031 (Heptachlor) (and its hydroxide)         0.008         YES         NO           (Carbon Tetrachloride)         0.5         YES         NO         D032 (Hexachlorobenzene)         0.13         YES         NO           (Chlorodane)         0.03         YES         NO         D033 (Hexachlorobutadiene)         0.5         YES         NO           (Chlorobenzene)         100.0         YES         NO         D034 (Hexachlorobutadiene)         3.0         YES         NO           (Chloroform)         6.0         YES         NO         D035 (Methyl ethyl ketone)         200.0         YES         NO           (o-Cresol)         200.0         YES         NO         D036 (Nitrobenzene)         2.0         YES         NO           (m-Cresol)         200.0         YES         NO         D037 (Pentachlorophenol)         100.0         YES         NO           (p-Cresol)         200.0         YES         NO         D038 (Pyridine)         5.0         YES         NO           (cresol)         200.0         YES         NO         D039 (Tetrachlorothylene)         0.7         YES         NO           (1,4-Dichlorothylene)         0.5         YES<

Check. Yes and initial this section if you want CyanoKEM to correct any inconsistencies. The most rapid waste approval will be achieved by authorizing CyanoKEM to make your WSCF corrections. All corrections will be consistent with the results of sample characterization and/or regulatory requirements. You will receive a copy of the corrected WSCR for your records if you do not authorize CyanoKEM to make corrections, WSCR's must be returned to you for your correction and resubmitted for final approval. This extends your waste approval time

Authorization to Correct WSCR: I authorize CyanoKEM to make corrections to this WSCR Form, such corrections being consistent with the results of semple characterization and/or regulatory requirements of Michigan DNR or EPA. I understand that a corrected copy will be sent to me. Yes 💢 No □ Initial: 7 NOTE: Any significant changes or deviations from the waste received versus the information on this form requires amendment.

Must be signed by the appropriate personnel representing the company benerating or handling the waste.

GENERATOR COURSE AND A Premarence production of

## CyanoKEM

## WASTE STREAM CHARACTERIZATION RECORD

Regulations require generators and/or brokers to fully complete this Waste Stream Characterization Record before wastes can be accepted for treatment.

AMERICAN
N L K E M

EPA Identification Number: MID098011992

Waste Lab C	ontrol Number:
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C- 82004

All items on each page must be completed. This includes the Addendum to Profile on pages 4 and 5.

Remember to sign section 13 on the WSCR as well as the "Generator Certification" at the bottom of the Addendum. This will assure you the most rapid waste

W 2 2459
11b 21:2 1 sol. B
93014

PLEASE SUBMIT THE COMPLETED FORM AS A 16-TO 32 OUNCE SAMPLE OF THE WAS STREAM TO: Approvals Laboratory, Cyana of 1998 1 Schaefer Flwy, Detroit, MI 48227

that the state of	era original paperwork with sample.	
Generator Information	Provide generator's USEPA indentification number, name, address, contact person and tagency representing a generator, regulations require you to provide the name of the generator.	elephone number — If you are a broker, service company or requestorator in this section.
Generator ID # N E	D 0 0 0 8 2 9 7 5 4	Company
Address 1416 Do	dge St: City Omaha	State NE Zip Code 68179
Official Contact Jern	y Covey  Title Manager Compliance Measures Telephone	(402) 271-4037 Fax
2 Broker Information: If	you are a broker, service company or regulatory agency representing a generator, provide you	ur name, address, telephone number and contact person in this section.
Name: USPCI	Official Contact: <u>Ken Marks</u> Telephone: ( 316	) <u>268-9490</u> Fax: ( 316 ) <u>268-9418</u>
Address: 2549 N	New York City: Wichita	State:KSZip:67219
Gen. ID: KSD00	7 2 4 6 8 4 6	
Waste Description: Fill Common Chemical Nam (If trade name is used, attach MSI		a brief description in the space provided.  Land Ban Notification Required ☼ Yes □ 1
Process Producing Was	te:Plating Shop Cleanup	
DOT Shipping Name:	Magta Cuavido golutione	
Packing Group:	Special Provisions:	
EPA Waste Number(s):	Special Provisions:	b
	nste is not a listed waste (F. or K) then circle the hazardous characteristic:—Ignita	· · · · · · · · · · · · · · · · · · ·
Are filters present: yes Physical State at 70°:11	D no <b>录</b> Solid Chunks - El Solid Monolith - El Sludge <b>对</b> Liquid - <b>Other (ex</b> plain): -	
Visual Description:	brown liquid, debris in plating tank	American NuKEM Representative:
•	the state of the s	The state of the s

7	Chemical Composition Check "%" or "ppm." If you use percentages, your total must equal 100%. If you use ppm and do not know exact quantities, you can use word "present." Do not use words such as "unknown" or "not available."	s such as light
	Specific Gravity: 1.0 pH: 13	
	Chemical Composition in (check one): ☐ % ☐ ppm	
	Arsenic NA Barium NA Cadmium NA Chromium NA Chromium (+6) NA Chromium	Total NA
	Cobalt Copper Lead Lithium Mercury Nickel	
	Cobalt     Copper     Lead     Lithium     Mercury     Nickel       Silver     Zinc     Selenium     Total Cyanides     Total Sulfides     Iron	
	ATTACH MOST RECENT ANALYTICAL INFORMATION, IF AVAILABLE	
	Oils, Grease NA Organics NA Phenols NA Acids NA Bases	NA
	Reactive Under 40CFR261 23?汉汉 Yes ☐ No	
	Other Components:	
	Other Components and Constituents	
5	Other Components and Constituents: If any of the listed constituents are known to be present, insert the amount in weight percent or ppm.  Are any of the following present:   \[ \text{T1 Yes}  X\text{R1 No}  \text{If yes, then circle those present.} \]	
	Are any of the following present. Thres AKTNO if yes, then circle those present.  Biological Materials NΛ Pathogens NΛ Etiological Agents NΛ Pesticides NΛ	
	PCB's Badioactive Materials	
6	test any special handling instructions for the materi <b>als</b> that are known to be present.	
U	The any special naming marticulars for the materials that are known to be present.	4
	Indicate any special handling instructions:	
7	Provide best available figures.	
	Approximate Amount of Waste Produced Annually:  One time cleanup  Amount on Hand:  1 plating tank	*
	Approximate Amount of Waste Produced Annually:  One time Creanup  Amount on Hand:  Diating tank	
8	Check appropriate box, fill in blank(s), IF "other," describe, List all container sizes.	
	Packaging for Shipment: "Obrums (size) various gallons (weight) pounds KI Bulk 🗇 Other:	
9	Please provide your standard industrial code in the space provided.	
	Standard Industrial Code (SIC): 4011	
1		

Give details of special requirements such as power tail gate, vacuum tankers, etc.

**Transportation Equipment Requirements:** 

Provide the name and telephone number of the individual responsible for scheduling waste shipments.

**Scheduling Contact:** 

Ken Marks

Telephone:

(316) 268-9490

### GENERAL INFORMATION FOR WSCR

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- 2. Regulations require that all the information requested by the WSCR must be provided before wastes can be accepted at CyanoKEM. Complete this form to the best of your knowledge considering the origin and use of the materials.
- 3. A separate WSCR must be completed for each waste sample sent to CyanoKEM.
- 4. Your waste approval will be processed most quickly if you fill out the WSCR completely and accurately. If we find inconsistencies in your

- wscr it must be returned to you for correction and resubmitted for final approval. Alternately, to save greatly you should authorize CyanoKEM to correct your wscr in the same signing in Item 11 above. All corrections will be consistent with the results of sample characterization and/or regulatory requirements. The most rapid waste approval will be achieved by authorizing CyanoKEM to make your wscr corrections. You will receive a copy of the corrected wscr for your records.
- 5. CyanoKEM, Inc., in compliance with 40 CFR 264.12 (b), has the appropriate permit(s) for the waste material(s) as described on this waste stream characterization record CyanoKEM, Inc. will accept such waste material provided that any terms and conditions detailed on the contractual agreement of our quotation are met.

## SAMPLE SUBMITTAL

- 1. Remove the pull-off label from the front of this form and attach it to your sample container.
- 2. Use DOT approved packaging

3. Package this form together with a 16 to 32 ounce sample of your waste stream and send to:

12381 Schaefer Highway Telecopy (3121.93 i.soon Detect 15 Scott \$1227 / (313) 933-1850 EL Vistant El also 4 Min amountage

C#	
APPROVAL W#	

## ADDENDUM TO PROFILE

Regulations require that you certify if any of the following constituents are present at characteristic levels in your waste stream. Indicate <u>yes</u> or <u>no</u> for EACH constituent. If analytical is available, please enter this in the actual value space provided.

Chara	acteristic Wastes											iller List of
D001		of ignitability as defined in (a) (4) (Oxidizer))			YES	(NO·						
D002		of corresivity as defined in		į	MES	NO						
D003	(characteristic c 40 CFR 261.23	of reactivity as defined in (a) (2), (4), (5))		,	YES	ИО	Herbio	cide/Pesticide Wastes Cha	ıracteristic Le	evel (ppm)		Actual Valu
<b>84</b> -8-4							D012	Endrin (1, 2, 3, 4, 10, 10- hexachloro-1, 7- epoxy-1, 4, 4a, 5, 6, 7, 8, 8a-octahydro-1, 4-endo, endo-5, 8-dimethano-naphthalene)	0.02	YES	NO	
метаі	Wastes	Characteristic Level (p	pm)		Λα	tual Value					<i>!</i>	ar.
D004	(Arsenic)	50	YES	NO		***	D013	Lindane (1.2.3,4,5, 6-Hexa- chlórocyclohexane,	0.4	YES	NO	
D005	(Barium)	100.0	YES	NO				gamma isomer)			i	
D006	(Cadmium)	10	YES	NO			DO 14	Methoxychlor (1,1, 1-Trichloro-2, 2-bis (p- methoxy-phenyl)	10,0	YES	NO	
<b>D</b> 007	(Chromium)	50	YES	NO				lethane.)			*	
D008	(Lead)	50	YES	MO.			DO 15	Toxaphene (C to, H to, Cla Technical chlorinated	0.5	YES	NO	and the second
<b>D009</b>	(Mercury)	0.2	YES	NO				camphene, 67-69 percent chlorine.)				
DO 10	(Selenium)	10	YES	140			DO 16	2, 4-D, (2,4-Dichloro- phenoxyacetic acid.)	10.0	YES	NO	
D011	(Silver)	1,11	SES	\no\				эль похучение ясис)			1	
							D017	2, 4, 5-TP Silvex (2,4, 5-Trichlorophenoxypr opionic acid.)	11)	YES	NO /	

Organ	ic Toxicity Wastes	Characteristic L	₋evel (ppm)		Actual Value	Organi	ic Toxicity Wastes	Characteristic Lev	vel (ppm)		Actual Valu
D018	(Benzene)	0.5	YES	ON		D031	(Heptachlor) (and its hydroxide)	0.008	YES	NO	,
DO19	(Carbon Tetrachloride	0.5	YES	NO		D032	(Hexachlorobenzene)	0.13	YES	ИО	PROBLEM : Ambien and a second
<b>D02</b> 0	(Chlordane)	0.03	YES	NO		D033	(Hexachlorobutadiene)	0.5	YES	NO	and to hall the consequence of the finding of
D021	(Chlorobenzene)	100.0	YES	NO		D034	(Hexachloroethane)	3.0	YES	NO	<del> </del>
D022	(Chloroform)	6.0	YES	NO		D035	(Methyl ethyl ketone)	200.0	YES	ИО	and distribution and the continues
D023	(o-Cresol)	200.0	YES	NO		D036	(Nitrobenzene)	2.0	YES	NO	
D024	(m-Cresol)	200.0	YES	NO		D037	(Pentachlorophenol)	100.00	YES	NO	
D025	(p-Cresol)	200.0	YES	:NO		D038	(Pyridine)	5.0	YES	NO	
D026	(Cresol)	200.0	YES	NO		D039	(Tetrachlorethylene)	0.7	YES	NO	
D027	(1,4-Dichlorobenzene)	7.15	YES	NO		D040	(Trichlorethylene)	0.5	YES	NO	
D028	(1,2-Dichloroethane)	0.5	YES	МО		D041	(2,4,5-Trichlorophenot)	400.0	YES	NO	
0029	(1,1-Dichloroethylene)	07	YES	NO		D042	(2,4,6-Trichlorophenol)	2.0	YES	NO	
D030	(2,4-Dinitrotoluene)	0.13	YES	NO,		D043	(Vinyl chloride)	0.2	YES	NO	<del></del>

Check—Yes and initial this section if you want CyanoKEM to correct any inconsistencies. The most rapid waste approval will be achieved by authorizing CyanoKEM to make your exercises. The most rapid waste approval will be achieved by authorizing CyanoKEM to make your exercises. The most rapid waste approval will be achieved by authorizing CyanoKEM to make corrected WSCR for your record waste approval. This extends your waste approval time.

Authorization to Correct WSCR: I authorize CyanoKEM to make corrections to this WSCR Form, such corrections being consistent with the results of sample characterization and/or regulatory requirements of Michigan DNR or EPA. I understand that a corrected copy will be sent to me. Yes X No II Initial:

NOTE: Any significant changes or deviations from the waste received versus the information on this form requires amendment.

13 Must be signed by the appropriate personnel representing the company generating or handling the waste.

GENURATOR CERTIFICATION

comment (Lerry Tovey

JERRY L. COVEY

mys Congs Meas

# Cya, oKEM

## WASTE STREAM CHARACTERIZATION RECORD

Regulations require generators and/or brokers to fully complete this Waste Stream Characterization Record before wastes can be accepted for treatment.

EPA Identification Number; MID098011992

**Waste Lab Control Number:** 

includes the Addendum to Profile on pages 4 and 5.

Remember to sign section 13 on the MSCR as well as

NOTE: the "Generator Certification" at the bottom of the

C- 82904

All items on each page must be completed. This

PLEASE SUBMIT THE COMPLETED FORM AS A 16 TO 32 OUNCE SAMPLE OF THE WAST STREAM TO: Approvals Laboratory, Cyminifield 10981 Schoofer Hvyy, Detroit, MI 48227

Addendum. This will assure you the most rapid waste approval. They are need original paperwork with sample.	lld	7135	100	184 Schoefer Hwy, Detroit, M	II 48227
Generator Information: Provide generator's USEPA indentification is agency representing a generator, regulations	number, name, address, c require you to provide the	entact person and te ename of the genera	tephone number — If yo tor in this section.	ou are a broker, service comp	any or your
NED 0 0 0 8 2 9 7 5 4	1	ific Railroad			
Address 1416 Dodge St	City Omaha		State NE	Zip Code 68179	
Official Contact   Jerry Covey   Title   Manager C	•	es Telephone (		Fax	
Broker Information: If you are a broker, service company or regulatory	y agency representing a ge	enerator, provide your	r name, address, telepho	ne number and contact perso	on in this section.
Name: USPCI Official Contact: Ken			) 268-9490	Fax: (316 ) <u>268</u> -	-9418
Address: 2549 N. New York	City: Wichita		State: <u>KS</u>	Zip: 67219	
Gen. ID: K S D 0 0 7 2 4 6 8 4 6					(- <b>)</b>
Waste Description: Fill in all of the blanks in this section to the best of	your knowledge. If "other	is checked, insert a	brief description in the s	space provided.	
Common Chemical Name/Trade Name: Cyanide solution (If trade name is used, attach MSDS)	, debris, greenis	sh-white resid	due in tankLandB	an Notification Required?	YOM Yes ⊡1
Process Producing Waste: Plating Shop Cleanup					
DOT Shipping Napa Waste Cyanide solutions			DOT Hazard Class:	6.1UN/NA #	UN1935
EPA Waste Number(s):D002, D003 ,					
If your waste is not a listed waste (F or K) then circ			*	osive Toxic Oxidizer	
Are filters present: yes II no XXX  Physical State at 70° XXI Solid Chunks II Solid Monolith II S	dudge <b>XX</b> Liquid O	her (explain):			
			American	NuKEM Represen	tative:
Visual Description amber liquid, greenish-white re	sidue <b>,debris in</b>	ank			*.
		ì	☐ Rock Hill, SC (803) 329 9690	Mahwah, NJ (201) 818 0900 Sout	hfield, MI (313) 55± 59'

			own" or "not available."	od doe ppin and do not mion exact que	314 334	Lucia
pecific Gravity: $\underline{}$	.0 pH:1	3				
hemical Composition	in (check one): □ °	% □ ppm				
rsenic NA	Barium NA	Cadmium	NA Chromium _	NA Chromium (+6)	NA Chromium Total N	Α
obalt	Copper	Lead	Lithium	Mercury	Nickel	-
lver	Zinc	Selenium	Total Cyanides	Total Sulfides	Iron	/ 
TACH MOST RECEI	NT ANALYTICAL IN	FORMATION, IF AVAIL	ABLE.			
ls, GreaseNA	Organic	os <u>NA</u>	Phenois NA	AcidsNA	BasesNA	
eactive Under 40CFF	R261.23? <del>∏</del> Yes	□No				
her Components:					·	<b></b>
her Components a	nd Constituents:	any of the listed constitu	ents are known to be present, inse	rt the amount in weight percent or ppm		
e any of the followin	ig present: □ Y	es XOINo Ifye	s, then circle those present.			
						•
CB's		PBB's	Dioxins	Radioac	tive Materials	r stood
st any special handling i	instructions for the ma	terials that are known to	be present.			
dicate any special f	handling instruction	ns:				
ovide best available figi	ures.				· · · · · · · · · · · · · · · · · · ·	
proximate Amount	t of Waste Produce	ed Annually: one t	ime cleanup	_ Amount on Hand:1_tank		
neck appropriate box, fi	ll in blank(s). IF "other	" describe. List all contair	ner sizes.			
ckaging for Shipm	ent: <table-container> Drums (siz</table-container>	re) various	gallons (weight)	pounds x\vec{x}	Bulk ☐ Other:	
ease provide your stanc	dard industrial code in	the space provided.				
tandard Industrial C	Code (SIC):	4011				
	<del>entanga</del> per sa sasah pasa sa sa		a - 196 kan - 188€mangrasen	the time to the time of the second of the se	in the control of the	ونهاد هماموس
	hemical Composition resenic NA  obalt Ver  TACH MOST RECE  ls, Grease NA  eactive Under 40CFF  ther Components:  cher Components are any of the following cological Materials  obligical Materials  obligical Materials  ovide best available fig  proximate Amount neck appropriate box, fire  ackaging for Shipm  tandard Industrial Cological  andard Industrial Cological  bease provide your standard Industrial Cological  candard Industrial  candard I	becific Gravity:1.0	pecific Gravity:1.0pH:13	becific Gravity:1.0pH:13	pecific Gravity: 1.0 pH: 13 ppm   p	Depth   Dept

and Jaluns of special requirements such as power tail gate, vacuum tankers, etc.

**Transportation Equipment Requirements:** 

**Scheduling Contact:** 

Ken Marks

add the name and telephone number of the individual responsible for scheduling waste shipments.

Telephone: (316) 268-9490

### **GENERAL INFORMATION FOR WSCR**

- 1. Instructions for completing CyanoKEM's Waste Stream Characterization Record (WSCR) are above each section. Providing an accurate and complete form assures the most rapid waste approval. For assistance, call CyanoKEM's sales office: (313) 353-5880.
- 2. Regulations require that all the information requested by the WSCR must be provided before wastes can be accepted at CyanoKEM. Complete this form to the best of your knowledge considering the origin and use of the materials.
- 3. A separate WSCR must be completed for each waste sample sent to CyanoKEM.
- 4. Your waste approval will be processed most quickly if you fill out the WSCR completely and accurately. If we find inconsistencies in your

- WSCR it must be returned to you for correction at resubmitted for final approval. Alternately, to save the you should authorize CyanoKEM to correct your WSCR is checking "Yes" and signing in Item 11 above. All corrections will be consistent with the results of sample characterization and/or regulatory requirements. The incoracterization and/or will be achieved by authorizin CyanoKEM to make your WSCR corrections. You wireceive a copy of the corrected WSCR for your records.
- 5. CyanoKEM, Inc., in compliance with 40 CFR 264.12 (b), he the appropriate permit(s) for the waste material(s) a described on this waste stream characterization recor CyanoKEM, Inc. will accept such waste material provide that any terms and conditions detailed on the contract al agreement of our quotation are met.

### SAMPLE SUBMITTAL

- 1. Remove the pull-off label from the front of this form and attach it to your sample container.
- Use DOT approved packaging.

3. Package this form together with a 16 to 32 ounce samp of your waste stream and send to:

12381	So	ha	efe	1 1	ligi	way	
Telecop	'nγ	(3	131	O	٠.	Saga	

| Policet 15 forcin 489,27 | 7 | (31.2) 933-1850 | FTZ 56 gride | 566-6540 concent page

	C#	 	37.
PROVAL	W#		

### ADDENDUM TO PROFILE

Regulations require that you certify if any of the following constituents are present at characteristic levels in your waste stream. Indicate yes or no for EACH constituent. If analytical is available, please enter this in the actual value space provided.

Charac	cteristic Wastes										
D001		of ignitability as defined in (a) (4) (Oxidizer))		Υ	ES (NO						
D002	(characteristic of 40 CFR 261.22)	of corresivity as defined in)		(Y	ES NO						
D003	(characteristic of 40 CFR 261.23	of reactivity as defined in (a) (2), (4), (5))		(Y	ES NO	Herbio	ide/Pesticide Wastes Cha	racteristic Le	vel (ppm)	. —	Actual Va
						D012	Endrin (1, 2, 3, 4, 10, 10- hexachloro-1, 7- epoxy-1, 4, 4a, 5, 6, 7, 8, 8a-octahydro-1, 4-endo, endo-5, 8-dimethano-naphthalene.)	0.02	YES	NO	***************************************
Metal V	<i>N</i> astes	Characteristic Level (pr	pm)		Actual Value					1	
D004	(Arsenic)	50	YES	иот		D013	Lindane (1,2,3,4,5, 6-Hexa- chlorocyclohexane,	0.4	YES	NO	
D005	(Barium)	100.0	YES	. 110			gamma isomer.)			1	
D006	(Cadmium)	1.0	YES	. 100		D014	1-Trichloro-2, 2-bis (p- methoxy-phenyl)	10.0	YES	МО	***************************************
D007	(Chromium)	(, ()	YES	ИO			lethane.)				
D008	(Lead)	50	YES	110		D015	Toxaphene (Cio, Hio, Cla Technical chlorinated	0.5	YES	NO	***************************************
D009	(Mercury)	0.2	YES	МО			camphene, 67-69 percent chlorine.)				
<b>D</b> 010	(Selenium)	10	YES	MO		D016	2, 4-D, (2,4-Dichloro- phenoxyacetic acid.)	10.0	YES	NO	-
D011	(Silver)	5.0	YES	, <b>м</b> о ,						i j	
					allerani, terler de arabare, sin	D017	5-Trichlorophenoxypr opionic acid.)	10	YES	NO	<u></u>

Örgan	ic Toxicity Wastes	Characteristic Lev	el (ppm)		Actual Value	Organ	ic Toxicity Wastes	Characteristic Leve	el (ppm)	$\sim$	Actual Valu
D018	(Benzene)	0.5	YES	NO		D031	(Heptachlor) (and its hydroxide)	0.008	YES	NO	
D019	(Carbon Tetrachloride)	0.5	YES	NO		D032	(Hexachlorobenzene)	0.13	YES	NO	
D020	(Chlordane)	0.03	YES	NO		D033	(Hexachlorobutadiene	0.5	YES	МО	
D021	(Chlorobenzene)	100.0	YES	NO		D034	(Hexachloroethane)	3.0	YES	ИО	
D022	(Chloroform)	6.0	YES	NO :		D035	(Methyl ethyl ketone)	200.0	YES	NO	
D023	(o-Cresol)	200.0	YES	NO		D036	(Nitrobenzene)	2.0	YES	NO	
D024	(m-Cresol)	200.0	YES	· NO	National Control of the State of State	D037	(Pentachlorophenol)	100.0	YES	NO	
D025	(p-Cresol)	200.0	YES	NO		D038	(Pyridine)	5.0	YES	NO	***************************************
D026	(Cresol)	200.0	YES	NO		D039	(Tetrachlorethylene)	0.7	YES	ИО	·
D027	(1,4-Dichlorobenzene)	7.5	YES	NO		D040	(Trichlorethylene)	0.5	YES	МО	
D028	(1,2-Dichloroethane)	0.5	YES	NO		D041	(2,4,5-Trichlorophenol)	400.0	YES	Ю	
D029	(1,1-Dichloroethylene)	0.7	YES	NO		D042	(2,4,6-Trichlorophenol)	2.0	YES	МО	-
D030	(2,4-Dinitrotoluene)	0.13	YES	NO		D043	(Vinyl chloride)	0.2	YES	NO	

12

Check Yes" and initial this section if you want CyanoKEM to correct any inconsistencies. The most rapid waste approval will be achieved by authorizing CyanoKEM to make voice corrections. All corrections will be consistent with the results of sample characterization and or regulatory requirements. You will receive a copy of the corrected WSCR for your accorded not authorize CyanoKEM to make corrections, WSCR's must be returned to you for your correction and resubmitted for final approval. This extends your waste approval time.

Authorization to Correct WSCR: I authorize CyanoKEM to make corrections to this WSCR Form, such corrections being consistent with the resultator sample characterization and/or regulatory requirements of Michigan DNR or EPA. I understand that a corrected copy will be sent to me. Yes S No I Initial:

NOTE: Any significant changes or deviations from the waste received versus the information on this form requires amendment.

13 Must be signed by the appropriate patsonnel representing the company generating or handling the waste.

GENERATOR CERTH (CAROTE

separate fly Covey

JERRY L COVEY

1) go Compland

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# CyanoKEM

### WASTE STREAM CHARACTERIZATION RECORD

Begulations require generators and/or brokers to fully complete this Waste Stream Characterization Record before wastes can be accepted for treatment.

AMERICAN

M LA ME ME

CORPORATION

EPA identification Number: MID098011992

Waste Lab Control Number: C-

All items on each page must be completed. This

includes the Addendum to Profile on pages 4 and 5.

Addendum. This will assure you the most rapid waste

NOTE: Remember to sign section 13 on the WSCR as well as the "Generator Certification" at the bottom of the

C- Board

W 22447

93013

2 lignids & debris

PLEASE SURMIT THE COMPLETED FOR MACA 16 TO 32 OUNCE SAMPLE OF THE YASS STREAM TO: Approvals Laboratory, Character 1998 t Schooler Hwy, Detroit, MI 48, 27

represent Channel hend original paperwork with sample.	•
1 Generator Information: Provide generator's USEPA indentification number, name, address, contact person and agency representing a generator, regulations require you to provide the name of the generator.	d telephone number — If you are a broker, service company or regulationerator in this section.
Generator ID # NED000829754 Name Union Pacific Railr	coad Company
Address 1416 Exidge St City Omaha	State NE Zip Code 68179
Official Contact   Jerry Covey   Title   Manager Compliance Measures   Telephone	1 (402) 271 4027
Broker Information: If you are a broker, service company or regulatory agency representing a generator, provide y	your name, address, telephone number and contact person in this section
Name: USPCI Official Contact: Ken Marks Telephone: ( 316	) <u>268-9490</u> Fax: ( 316 ) <u>268-9418</u>
Address: 2549 N. New York City: Wichita	State: KS Zip: 67219
Gen. ID: KSD007246846	
Waste Description: Fill in all of the blanks in this section to the best of your knowledge. If "other" is checked, inser-	rt a brief description in the space provided.
Common Chemical Name/Trade Name: Residue from plating tank (If trade name is used, attach MSDS)	CYANTOES, INDIGATION Required? I Yes XXIII INDIGATION OF THE CYANTOE TO THE CYANTON OF THE CYANT
Process Producing Wasfe: Plating Shop Cleanup CIASS 6.	I PKG IL UNIS8)
$\sigma_{i}$	DOT_Hazard Class: NAUN/NA #NA
EPA Waste Number(s) none @ FOOS DOO'S LO	0006
If your waste is not a listed waste (F or K) then circle the hazardous characteristic: Ign	•
Are filters present: yes E1_noXX Physical State at 70": XXSolid Chunks = E1 Solid Monolith = E1 Studge = E1 Liquid = Other (explain): .	
yellow-white solid residue inside tank Visual Description	American NuKEM Representative:
VIOLER LETOCHTHIER	☐ Rock Hill, SC (R03) 329 9690 ☐ Mahwah, NJ (201) 818 0900 ☐ Southfield, MI (313) 559-59

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AND STREET STREET

- 1. Instructions for completing CyanoKEM's Waste Stream Characterization Record (WSCR) are above each section. Providing an accurate and complete form assures the most rapid waste approval. For assistance, call CyanoKEM's sales office: (313) 353-5880.
- 2. Regulations require that all the information requested by the WSCR must be provided before wastes can be accepted at CyanoKEM. Complete this form to the best of your knowledge considering the origin and use of the materials.
- 3. A separate WSCR must be completed for each waste sample sent to CyanoKEM.
- 4. Your waste approval will be processed most quickly if you fill out the WSCR completely and accurately. If we find inconsistencies in your

WSCR it must be returned to you for correction and resubmitted for final approval. Alternately, to save time you should authorize CyanoKEM to correct your WSCR by checking "Yes" and signing in Item 11 above. All corrections will be consistent with the results of sample characterization and/or regulatory requirements. The most rapid waste approval will be achieved by authorizing CyanoKEM to make your WSCR corrections. You will receive a copy of the corrected WSCR for your records.

5. CyanoKEM, Inc., in compliance with 40 CFR 264.12 (b), has the appropriate permit(s) for the waste material(s) described on this waste stream characterization record CyanoKEM, Inc. will accept such waste material provided that any terms and conditions detailed on the contractual agreement of our quotation are met.

#### SAMPLE SUBMITTAL

- 1. Remove the pull-off label from the front of this form and attach it to your sample container.
- 2. Use DOT approved packaging.

3. Package this form together with a 16 to 32 ounce sample of your waste stream and send to:

12381 Schaefer Highway Telecopy (313) 933-5020

First of Michigan 48227 / (313) 932-1850

	U#	 	
			1.1
ADDDOVAL	1414		
APPROVAL	VV#	 	

### ADDENDUM TO PROFILE

Regulations require that you certify if any of the following constituents are present at characteristic levels in your waste stream. Indicate yes or no for EACH constituent. If analytical is available, please enter this in the actual value space provided.

NO

#### **Characteristic Wastes**

D011 (Silver)

**D001** (characteristic of ignitability as defined in

	40 CFR 261.21	(a) (4) (Oxidizer))			1						
D002	•	(characteristic of corrosivity as defined in 40 CFR 261.22)									
D003	(characteristic of 40 CFR 261.23	YE	ES NO NO								
Metal \	Wastes	Characteristic Level (ppm)			Actual Value						
D004	(Arsenic)	5.0	YES	ИÒ							
D005	(Barium)	1000	YES	NO							
D006	(Cadmium)	10	YES	ио							
D007	(Chromium)	5,0	YES	NO							
D008	(Lead)	50	YES	NO							
D009	(Mercury)	$\alpha$	YES	110							
DO 10	(Selenium)	10	YES	NO							
				,							

150

YES

MO'

Herbic	ide/Pesticide Wastes Cha	ıracteristic Lev	vel (ppm)		Actual Sa
D012	Endrin (1, 2, 3, 4, 10, 10- hexachloro 1, 7 epoxy-1, 4, 4a, 5, 6, 7, 8, 8a-octahydro-1, 4-endo, endo-5, 8-dimethano-naphthalene.)	0.02	YES	NO	
D013	Lindane (1,2,3,4,5, 6-Hexa- chlorocyclohexane, gamma isomer.)	0,4	YES	NO :	
DO14	Methoxychlor (1,1, 1-Trichloro-2, 2-bis (p- methoxy-phenyl) lethane.)	10.0	YES	МО	
D015	Toxaphene (C10, H10, Cla Technical chlorinated camphene, 67-69 percent chlorine.)	0.5	YES	ИО	
DO 16	2, 4-D, (2,4-Dichloro- phenoxyacetic acid.)	10 ()	YES	NO	
D017	2, 4, 5-TP Silvex (2,4, 5-Trichlorophenoxypr opionic acid.)	1.0	YES	МО	<u></u>

القن دور و	ic Toxicity Wastes	Characteristic Leve	el (ppm)		Actual Value	Organi	ic Toxicity Wastes	Characteristic Leve	el (ppm)		Actual Val
D018	(Benzene)	0.5	YES	NO		D031	(Heptachlor) (and its hydroxide)	0.008	YES	NO	
DO 19	(Carbon Tetrachloride)	0.5	YES	NO		D032	(Hexachlorobenzene)	0.13	YES	NO	
D020	(Chlordane)	0.03	YES	NO		D033	(Hexachlorobutadiene	0.5	YES	NO	
D021	(Chlorobenzene)	100.0	YES	NO		D034	(Hexachloroethane)	3.0	YES	NO	
D022	(Chloroform)	6.0	YES	NO		D035	(Methyl ethyl ketone)	200.0	YES	NO	And the second section of the second section of
D023	(o-Cresol)	200.0	YES	NO		D036	(Nitrobenzene)	2.0	YES	NO	
D024	(m-Cresol)	200.0	YES	NO		D037	(Pentachlorophenol)	100.0	YES	NO	
D025	(p-Cresol)	200.0	YES	NO Į		D038	(Pyridine)	5.0	YES	NO (	**************************************
D026	(Cresol)	200.0	YES	NO	The state of the s	D039	(Tetrachlorethylene)	0.7	YES	NO	
D027	(1,4-Dichlorobenzene)	7.5	YES	ИО		D040	(Trichlorethylene)	0.5	YES	ИО	
D028	(1,2-Dichloroethane)	0.5	YES	МО	· ·-	D041	(2,4,5-Trichlorophenol)	400.0	YES	МО	
D029	(1,1-Dichloroethylene)	0.7	YES	NO		D042	(2,4,6-Trichlorophenol)	2.0	YES	Ю	***
D030	(2,4-Dinitrotoluene)	0.13	YES	NO		D043	(Vinyl chloride)	0.2	YES	NO	

Check "Yes" and initial this section if you want CyanoKEM to correct any inconsistencies. The most rapid waste approval will be achieved by authorizing CyanoKEM to make your WSC corrections. All corrections will be consistent with the results of sample characterization and/or regulatory requirements. You will receive a copy of the corrected WSCR for your records: া 🖼 do not authorize CyanoKEM to make corrections, WSCR's must be returned to you for your correction and resubmitted for final approval. This extends your waste approval time.

Authorization to Correct WSCR: I authorize CyanoKEM to make corrections to this WSCR Form, such corrections being consistent with the results of sample characterization and/or regulatory requirements of Michigan DNR or EPA. I understand that a corrected copy will be sent to me. Yes 🗗 No 🗆 Initial:

NOTE: Any significant changes or deviations from the waste received versus the information on this form requires amendment.

Must be signed by the appropriate perspinnel representing the company generating or handling the waste.

JERRY L. COVEY Mes Complet Mes

## CyanoKEM

### WASTE STREAM CHARACTERIZATION RECORD

Regulations require generators and/or brokers to fully complete this Waste Stream Characterization Record before wastes can be accepted for treatment.

**EPA Identification Number: MID098011992** 

Waste Lab Control Number:	
---------------------------	--

C-82003

All items on each page must be completed. This

includes the Addendum to Profile on pages 4 and 5.

the "Generator Cortification" at the bottom of the

Addendum. This will assure you the most rapid waste.

NOTE: Remember to sign section 13 on the WSCR as well as the "Generals" Confident



PLEASE SUBMIT THE COMPLETED FORM A A 16 TO 32 OUNCE SAMPLE OF THE ---STREAM TO: Approvals Laboratory, October. 12381 Schoefer Hwy, Detroit, MI 48323

	populari Moral rend oliginal paperwork with sample.	
1 (	Generator Information: Provide generator's USEPA indentification number, name, address, contact person and to agency representing a generator, regulations require you to provide the name of the generator.	elephone number — If you are a broker, service company of a control ator in this section.
C	Generator ID # NED000829754 Name Union Pacific Railroa	d Company
	Address 1416 Dodge St City Onaha	State NE Zip Code 68179
C	Official Contact  Jerry Covey Title  Manager Compliance Measures Telephone	(402) 271-4037 Fax
В	Broker Information: If you are a broker, service company or regulatory agency representing a generator, provide you	ur name, address, telephone number and contact person in this section,
N	lame: USPCI Official Contact: Ken Marks Telephone: ( 316	) <u>268-9490</u> Fax: ( 316 ) <u>268-9418</u>
A	ddress: 2549 N. New York City: Wichita	State: KS Zip:67219
G	Gen. ID: KSD007246846	
V	Vaste Description: Fill in all of the blanks in this section to the best of your knowledge. If "other" is checked, insert a	a brief description in the space provided.
(if	common Chemical Name/Trade Name: Alkaline liquid, plastic drum  trade name is used, attach MSDS)  Plating Shop Cleanup  CIR) 6.1	Land Ban Notification Required Yes TIPE SOLUTION PKS 2 UN 1935
D	OT Shipping Name: Waste Corrosive Liquids, n.o.s.	DOT Hazaid Class: 8 UN/NA # UN1760
Р	acking Group: Special Provisions: Special Provisions:	
E	PA Waste Number(s): DROD DODG FOOL DDDG OO	
	If your waste is not a listed waste (F or K) then circle the hazardous characteristic: Ignital	
A	re filters present: yes □ no □	
Þ	hysical State at 70° 🗀 Solid Chunks — 🗀 Solid Monolith — 🗀 Sludge - 対対 Liquid — Other (explain): .	
٧	clear, bluish liquid in a 20 gal poly drum	American NuKEM Representative:
		☐ Rock Hill, SC (803) 329 9690 ☐ Mahwali, NJ (201) 818 0900 ☐ Southfield, Mf (313) 559 591(

4	Chemical Composition Check "%" or "ppm." If you use percent "present." Do not use words such as "un	ages, your total must equal 100 %. If you use p known" or "not available."	pm and do not know exact quantities.	you can use wo	4
	Specific Gravity: 1.0 pH: 13				T .
	Chemical Composition in (check one): ☐ % ☐ ppm				
	Arsenic NA Barium NA Cadmium _	NA Chromium NA	Chromium (+6) NA	_ Chromium Total:	in.
	Cobalt Copper Lead	Lithium	Mercury	_ Nickel	1
	Silver Zinc Selenium _	}	Total Sulfides	Iron	
	ATTACH MOST RECENT ANALYTICAL INFORMATION, IF AV	AILABLE.			
	Oils, Grease NA Organics NA	Phenols NA	Acids NA	Bases NA	<del>-</del>
	Reactive Under 40CFR261.23? ☐ Yes You				
	Other Components:				
5	Other Components and Constituents: If any of the listed cons	tituents are known to be present, insert the an	nount in weight percent or ppm.		e de la compansión de l
		yes, then circle those present.	, , , , , , , , , , , , , , , , , , ,		
	Biological Materials Pathogens	Etiological Agents	Pesticides		
	PCB'sPBB's	Dioxins	Radioactive Ma	aterials	
6	List any special handling instructions for the materials that are known	to be present.			
	Indicate any special handling instructions:				
7	Provide best available figures.	ds .	<u> </u>		
	Approximate Amount of Waste Produced Annually: One	e time cleanup Amor	unt on Hand: 1-20 gal po	olv drum	
	Approximate Amount of Waste Froduced Amidany.	Amor	unt divitatio.		
3	Check appropriate box, fill in blank(s). IF "other," describe. List all cont	tainer sizes.			
	Packaging for Shipment: XXDrums (size) various	gallons (weight)	pounds [] Bulk	☐ Other:	
9	Please provide your standard industrial code in the space provided.				
	Standard Industrial Code (SIC): 4011				
	Standard industrial Code (SIC): 4011				

10

Conclude tails of special requirements such as power tail gate, vacuum tankers, etc.

**Transportation Equipment Requirements:** 

Provide the name and telephone number of the individual responsible for scheduling waste shipments.

**Scheduling Contact:** 

Ken Marks

Telephone: (316) 268-9490

### GENERAL INFORMATION FOR WSCR

- 1. Instructions for completing CyanoKEM's Waste Stream Characterization Record (WSCR) are above each section. Providing an accurate and complete form assures the most rapid waste approval. For assistance call CyanoKEM's sales office: (313) 353-5880.
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- 3. A separate WSCR must be completed for each waste sample sent to CyanoKEM.
- 4. Your waste approval will be processed most quickly if you fill out the WSCR completely and accurately. If we find inconsistencies in your

WSCR it must be returned to you for correction as resubmitted for final approval. Alternately, to save tin you should authorize CyanoKEM to correct your WSCR is checking "Yes" and signing in Item 11 above. All corrections will be consistent with the results of sample characterization and/or regulatory requirements. The morapid waste approval will be achieved by authorizing CyanoKEM to make your WSCR corrections. You we receive a copy of the corrected WSCR for your records.

5. CyanoKEM, Inc., in compliance with 40 CFR 264.12 (b). In the appropriate permit(s) for the waste material(g) described on this waste stream characterization reconstructed that any terms and conditions detailed on the contract all agreement of our quotation are met.

### SAMPLE SUBMITTAL

- 1. Remove the pull-off label from the front of this form and attach it to your sample container.
- 2. Use DOT approved packaging.

3. Package this form together with a 16 to 32 ounce same of your waste stream and send to:

12381 Schaefer Highway Telecopy (313) 933-5020 Dotrest Michigan 48227 / (313) 933-1850 FPA Identification #MID page 11999

APPROVAL W# \_\_\_\_\_

### ADDENDUM TO PROFILE

Regulations require that you certify if any of the following constituents are present at characteristic levels in your waste stream. Indicate yes or no for EACH constituent. If analytical is available, please enter this in the actual value space provided.

Chara	cteristic Wastes											
D001		of ignitability as defined in (a) (4) (Oxidizer))			YES	, NO )						1
D002	(characteristic of 40 CFR 261.22)	of corresivity as defined in			(YES)	NO						
D003	(characteristic of reactivity as defined in 40 CFR 261.23 (a) (2), (4), (5))		(characteristic of reactivity as defined in YES (NO) Herbicide/Pesticide Wastes Characteristic Level					vel (ppm)	(ppm)			
	40 CFN 201.23	(a) (2), (4), (5))				S.,	D012	Endrin (1, 2, 3, 4, 10, 10- hexachloro-1, 7- epoxy-1, 4, 4a, 5, 6, 7, 8, 8a-octahydro-1, 4-endo, endo-5, 8-dimethano-naphthalene.)	0.02	YES	NO	<u></u> ,
Metal \	Wastes	Characteristic Level (pp	m)		Λc	tual Value						
D004	(Arsenic)	15 ()	YES	ИО	en:		D013	Lindane (1,2,3,4,5, 6-Hexa- chlorocyclohexane, gamma isomer.)	0.4	YES	NO	
D005	(Barium)	1000	YES	ИО				,				
D006	(Cadmium)	10	YES	140			D014	Methoxychlor (1,1, 1-Trichloro-2, 2-bis (p- methoxy-phenyl) lethane.)	10.0	YES	NO	The Authority of the Companies delivery to the Companies and
D007	(Chronium)	60	YES	NO			5045	•	o e	VE0	1	
<b>DO08</b>	(Lead)	50	YES	NO			D015	Toxaphene (Cio, Hio, Cla Technical chlorinated	0.5	YES	NO	
<b>D0</b> 09	(Mercury)	0.2	YES	NO				camphene, 67-69 percent chlorine.)				,
<b>DO</b> 10	(Selenium)	10	YES	110			D016	2, 4-D, (2,4-Dichloro- phenoxyacetic acid.)	100	YES -	NO	
DO11	(Silver)	4,()	YES	140/								
							D017	2, 4, 5-TP Silvex (2,4,	10	YES	NO /	**

5-Trichlorophenoxypr opionic acid.)

4										A SELECTION OF THE PARTY OF THE	
Organ	nic Toxicity Wastes	Characteristic Leve	el (ppm)		Actual Value	Organic Toxicity	Wastes (	Characteristic Leve	el (ppm)	- 1 84. TW	
DO18	(Benzene)	0.5	YES	NO		D031 (Heptachi (and its hy		0.008	YES	NO	
DO 19	(Carbon Tetrachloride)	0.5	YES	МО		D032 (Hexachlo	orobenzene)	0.13	YES	NO	
D020	(Chlordane)	0.03	YES	NO		D033 (Hexachlo	orobutadiene)	0.5	YES	NO	
D021	(Chlorobenzene)	100.0	YES	NO		D034 (Hexachlo	oroethane)	3.0	YES	NO	<u> </u>
D022	(Chloroform)	60	YES	NO	and a special section of the section	D035 (Methyl et	thyl ketone)	200.0	YES	NO	
D023	(o-Cresol)	200.0	YES	NO		D036 (Nitrobenz	zene)	2.0	YES	NO	
D024	(m-Cresol)	200.0	YES	ИО		D037 (Pentachk	orophenol)	100.0	YES	NO ;	
D025	(p-Cresol)	200.0	YES	NO		D038 (Pyridine)	)	5.0	YES	NO	,
D026	(Cresol)	200.0	YES	NO		D039 (Tetrachlo	orethylene)	0.7	YES	NO	
D027	(1,4-Dichlorobenzene)	7.5	YES	Ю		D040 (Trichloret	thylene)	0.5	YES	МО	
D028	(1,2-Dichloroethane)	0.5	YES	ИО	a secretary and the secretary secretary	<b>D041</b> (2,4,5-Tric	chlorophenol)	400.0	YES	NO	sometimes and the second
D029	(1,1-Dichloroethylene)	0.7	YES	NO	one made to the first of a proper self-fit file.	<b>D042</b> (2,4,6-Tric	chtorophenol)	2.0	YES	NO,	2 2 Jan 2
D030	(2,4-Dinitrotoluene)	0.13	YES	NO		D043 (Vinyl chlo	oride)	0.2	YES	NO	ggangana annañ stron 1974, a sa
				20						/	

Check "Yes" and initial this section if you want CyanoKEM to correct any inconsistencies. The most rapid waste approval will be achieved by authorizing CyanoKEM to make your WSC corrections. All corrections will be consistent with the results of sample characterization and/or regulatory requirements. You will receive a copy of the corrected WSCR for your records it is to not authorize CyanoKEM to make corrections, WSCR's must be returned to you for your correction and resubmitted for final approval. This extends your waste approval time.

Authorization to Correct WSCR: I authorize CyanoKEM to make corrections to this WSCR Form, such corrections being consistent with the results of sample characterization and/or regulatory requirements of Michigan DNR or EPA. I understand that a corrected copy will be sent to me. Yes No □ Initial:

NOTE: Any significant changes or deviations from the waste received versus the information on this form requires amendment.

Must be signed by the appropriate personnel representing the combany denerating or handling the waste.

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GENERATOR CERRIEF AIR OF

JERRY L. COVEY Man Compluse

# CyanokEM

### WASTE STREAM CHARACTERIZATION RECORD

Regulations require generators and/or brokers to fully complete this Waste Stream Characterization Record before wastes can be accepted for treatment.

EPA Identification Number: MID0980 11992 Waste Lah Control Number

<b>V</b> aste	Lab	Cont	rol Nu	mbe	r: C	- 82	al do	-
		items (					•	

ted. This includes the Addershim to Profile on pages 4 and 5. NOTE: Remember to sign section 13 in the WSCR as well as the "Generator Certification of the bottom of the Addendum. This will assure you the most rapid waste opens of the consend original paperwork with sample.



PLEASE SUBMIT THE COMPLETED FORM AN A 16 TO 32 OUNCE SAMPLE OF THE WAST STREAM TO: Approvals Laboratory, CyanoKEN 10381 Schoefer Hwy, Detroit, MI 48227

	Generator Information: Provide generator's USEPA indentification number, name, address, contact person and telephone number — If you are a broker, service company or sometimes agency representing a generator, regulations require you to provide the name of the generator in this section.
	Generator ID # N E D 0 0 0 8 2 9 7 5 4 Name Union Pacific Railroad Company
	Address 1416 Dodge St City Onaha State NE Zip Code 68179
	Official Contact   Jerry Covey   Title   Manager Compliance Measures   Telephone   (402) 271-4037   Fax
2	Broker Information: If you are a broker, service company or regulatory agency representing a generator, provide your name, address, telephone number and contact person in this secking.
	Name: <u>USPCI</u> Official Contact: <u>Ken Marks</u> Telephone: ( 316 ) <u>268-9490</u> Fax: ( 316 ) <u>268-9418</u>
	Address:         2549 N. New York         City:         Wichita         State:         KS         Zip:         67219
	Gen. ID: KSD007246846
3	Waste Description: Fill in all of the blanks in this section to the best of your knowledge. If "other" is checked, insert a brief description in the space provided.
	Common Chemical Name/Trade Name:  (If trade name is used, attach MSDS)  Alkaline liquid, plastic container  Land Ban Notification Required? Yes  R.D WPSTE CYPNED SOLECTION (N.O.).
	Process Producing Waste: Plating Shop Cleanup CIASS 6.1 PKG T UW/735
	DOT Shipping Name: Waste Corrosive liquids, n.o.s. DOT Hazard Class: 8 UN/NA # UN1760
	Packing Group: Special Provisions:
	EPA Waste Number (2): 0002 0003 1)(1)
	If your waste is not a tisted waste (F or K) then circle the hazardous characteristic: Ignitable Reactive (Corrosive) Toxic Oxidizer
	Are filters present: yes L1_ncNN
	Physical State at 70": LESolid Chunks - El Solid Monolith - El Sludge - XM Liquid - Other (explain):
	Visual Description: clear liquid in a 5 gal poly container  American NuKEM Representative:
	□ Rock Hill, SC (803) 329-9690 □ Mahwah, NJ (201) 818-0900 □ Southfield, MI (313) 559-5900

4.	Chemical Composition  Check "%" or "ppm." If you use percentages, your total must equal 100%. If you use ppm and do not know exact quantities, you can present." Do not use words such as "unknown" or "not available."	an use words such as trace to
	Specific Gravity: 1.0 pH: 13	
	Chemical Composition in (check one): [1] % Figure 1.	•
	·	Chromium Total <u>NA</u>
		Nickel
	Silver Zinc Selenium Total Cyanides Total Sulfides	ron
	ATTACH MOST RECENT ANALYTICAL INFORMATION, IF AVAILABLE.	
	Oils, Grease NA Organics NA Phenols NA Acids NA B	asesNA
	Reactive Under 40CFR261.23? F1 Yes XX1 No	
	Other Components:	 L
<b>3</b>	Other Components and Constituents: If any of the listed constituents are known to be present, insert the amount in weight percent or ppm.  Are any of the following present: I I Yes XXINo If yes, then circle those present.	
	Biological Materials Pathogens Etiological Agents Pesticides	
	PCB's PBB's Dioxins Radioactive Materia	
G	PCB's Badioactive Materia	
6		
6	PCB's Badioactive Materia	
6 7	PCB's PBB's Dioxins Radioactive Material List any special handling instructions for the materials that are known to be present.	
<b>6</b>	PCB's Dioxins Radioactive Material List any special handling instructions for the materials that are known to be present.  Indicate any special handling instructions:  Provide best available figures.	ls
<b>6</b>	PCB's PBB's Dioxins Radioactive Material List any special handling instructions for the materials that are known to be present.	ls
6 7	PCB's Dioxins Radioactive Material List any special handling instructions for the materials that are known to be present.  Indicate any special handling instructions:  Provide best available figures.	ls
6 7	PCB's	iner
7	PCB's PBB's Dioxins Radioactive Material List any special handling instructions for the materials that are known to be present.  Indicate any special handling instructions:  Provide best available figures.  Approximate Amount of Waste Produced Annually: onetime_cleanup Amount on Hand:1-5galcontain Check appropriate box. fill in blank(s). IF "other," describe, List all container sizes.  Packaging for Shipment:     Pounds   PBB's	ls
6 7	PCB's	iner
6 7	PCB's PBB's Dioxins Radioactive Material List any special handling instructions for the materials that are known to be present.  Indicate any special handling instructions:  Provide best available figures.  Approximate Amount of Waste Produced Annually: onetime_cleanup Amount on Hand:1-5galcontain Check appropriate box. fill in blank(s). IF "other," describe, List all container sizes.  Packaging for Shipment:     Pounds   PBB's	iner

10 Give details of special re-

10	Give details of special requirements su		
	Transportation Equipment Requ	rements:	
	Provide the name and telephone numb		
	Scheduling Contact:	Ken Marks	Telephone: (316) 268-9490
		GENERAL INFORMATION FOR	WSCR

- 1. Instructions for completing CyanoKEM's Waste Stream Characterization Record (WSCR) are above each section. Providing an accurate and complete form assures the most rapid waste approval. For assistance, call CyanoKEM's sales office: (313) 353-5880.
- 2. Regulations require that all the information requested by the WSCR must be provided before wastes can be accepted at CyanoKEM. Complete this form to the best of your knowledge considering the origin and use of the materials.
- 3. A separate WSCR must be completed for each waste sample sent to CyanoKEM.
- 4. Your waste approval will be processed most quickly if you fill out the WSCR completely and accurately. If we find inconsistencies in your

- WSCR it must be returned to you for correction and resubmitted for final approval. Alternately, to save time you should authorize CyanoKEM to correct your WSCR by checking "Yes" and signing in Item 11 above. All corrections will be consistent with the results of sample characterization and/or regulatory requirements. The most rapid waste approval will be achieved by authorizing CyanoKEM to make your WSCR corrections. You will receive a copy of the corrected WSCR for your records.
- 5. CyanoKEM, Inc., in compliance with 40 CFR 264.12 (b), has the appropriate permit(s) for the waste material(s) as described on this waste stream characterization record. CyanoKEM, Inc. will accept such waste material provided that any terms and conditions detailed on the contractual agreement of our quotation are met.

### SAMPLE SUBMITTAL

- 1. Remove the pull-off label from the front of this form and attach it to your sample container.
- 2. Use DOT approved packaging.

3. Package this form together with a 16 to 32 ounce sample of your waste stream and send to:

12381 Schaefer Highway Telecopy (313) 933-5020

Detect Michigan 48227 / (312) 932-1850 f for League above MID (000 1700 2

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APPROVAL W#	 		

#### ADDENDUM TO PROFILE

Regulations require that you certify if any of the following constituents are present at characteristic levels in your waste stream. Indicate yes or no for EACH constituent. If analytical is available, please enter this in the actual value space provided.

Charac	cteristic Wastes											
D001		of ignitability as defined in (a) (4) (Oxidizer))		,	YES	NO 1						
D002		of corresivity as defined in		,	YES	NO						
D003				ER 261 23 (a) (2) (4) (5))						•		
		(1)					D012	Endrin (1, 2, 3, 4, 10, 10- hexachloro-1, 7- epoxy-1, 4, 4a, 5, 6, 7, 8, 8a octahydro-1, 4-endo, endo-5, 8-dimethano-naphthalene.)	0.02	YES	NO	er een een een een ee
Metal 1	Wastes	Characteristic Level (pp	m)		Λα	tual Value					1	t
D004	(Arsenic)	5.0	YES	MO .			D013	Lindane (1.2,3.4,5, 6-Hexa- chlorocyclohexane, gamma isomer.)	0.4	YES	МО	
D005	(Barium)	1()()()	YES	МО				gamma isomer.)				
D006	(Cadmium)	10	YES	no			D014	Methoxychlor (1,1, 1-Trichloro-2, 2-bis (p- methoxy phenyl) lethane.)	10.0	YES	NO	^
D007	(Chromium)	i. O	YES	110		*** ** ***		,			1	4
D008	(Lead)	6.0	YES	110			D015	Toxaphene (C.o., H.o., Cla Technical chlorinated	0.5	YES	NO ;	
D009	(Mercury)	n?	YES	110				camphene, 67-69 percent chlorine.)				
DO 10	(Selenium)	10	YES	NO			D016	2, 4-D, (2,4-Dichloro- phenoxyacetic acid.)	10.0	YES	МО	
D011	(Silver)	* c 1 \$	M/G									
				,			DO 17	2, 4, 5, TP Silvex (2,4,	10	YE'S	14⊖ /	

5-Trichlorophenoxypropionic acid.)

											Sales and the
Organ	ic Toxicity Wastes	Characteristic Leve	el (ppm)		Actual Value	Organ	ic Toxicity Wastes	Characteristic Leve	el (ppm)	181	Actual Value
D018	(Benzene)	0.5	YES	NO \		D031	(Heptachlor) (and its hydroxide)	0.008	YES	NO	
D019	(Carbon Tetrachloride)	0.5	YES	NO	***	D032	(Hexachlorobenzene)	0.13	YES	NO	
D020	(Chlordane)	0.03	YES	NO		D033	(Hexachlorobutadiene)	0.5	YES	NO	
D021	(Chlorobenzene)	100 0	YES	NO		D034	(Hexachloroethane)	3.0	YES	NO	
D022	(Chloroform)	60	YES	NO		D035	(Methyl ethyl ketone)	200.0	YES	NO	<u> </u>
D023	(o-Cresol)	200.0	YES	NO		D036	(Nitrobenzene)	2.0	YES	NO	The second secon
D024	(m-Cresol)	2000	YES	NO		D037	(Pentachlorophenol)	100.0	YES	NC	
D025	(p-Cresol)	200.0	YES	NO		D038	(Pyridine)	5.0	YES	NO ;	
D026	(Cresol)	200.0	YES	NO		D039	(Tetrachlorethylene)	0.7	YES	NO	
D027	(1,4-Dichlorobenzene)	7.6	YES	HO		D040	(Trichlorethylene)	0.5	YES (	110	
D028	(1,2-Dichloroethane)	0.5	YES	ИО		D041	(2,4,5-Trichlorophenol)	400 0	YES	NO	
D029	(1,1-Dichloroethylene)	0.7	YES	NO	***************************************	D042	(2,4,6-Trichlorophenol)	2.0	YES	NO	
<b>DO3</b> 0	(2,4-Dinitrotoluene)	0.13	YES	ИО		D043	(Vinyl chloride)	02	YES	NO/	
l l											

Check Yes and initial this section if you want CyanoKEM to correct any inconsistencies. The most rapid waste approval will be achieved by authorizing CyanoKEM to make your WSCB corrections. All corrections will be consistent with the results of sample characterization and/or regulatory requirements. You will receive a copy of the corrected WSCR for your records. If you not authorize CyanoKEM to make corrections. WSCR's must be returned to you for your correction and resubmitted for final approval. This extends your waste approval time.

Authorization to Correct WSCR: I authorize CyanoKEM to make corrections to this WSCR Form, such corrections being consistent with the results of sample characterization and/or regulatory requirements of Michigan DNR or EPA. I understand that a corrected copy will be sent to me. Yes to No I Initial:

NOTE: Any significant changes or deviations from the waste received versus the information on this form requires amendment.

della materificant foliale contrata the problem of the first lines of the street of

13 Must be signed by the appropriate personnel representing the company deperating or handling the waste.

GENERATOR CERTIFICATION

Sign the ECN2/ & Covery

JERRY L. COVEY

My Compol Mea

### Eyapokem

### WASTE STREAM CHARACTERIZATION RECORD

Regulations require generators and/or brokers to fully complete this Waste Stream Characterization Record

before wastes can be accepted for treatment.

EPA Identification Number: MID0980 11992

Waste Lab Control Number:

C- 82008

W 2244 9



**AMERICAN** 

All items on each page must be completed. This includes the Addendum to Profile on pages 4 and 5 NOTE: Remember to sign section 13 on the WSCR as well as the "Generator Certification" at the bottom of the Addendum. This will assure you the most rapid waste

PLEASE SUBMIL THE COMPLETED FORM AN A 16 TO 32 OUNCE SAMPLE OF THE WAST STREAM TO: Approvals Laboratory, CyanoKEI 1229 1 Schnefer Hwy, Detroit, MI 48227

	approval. Phane hend original paperwork with sample.									
1	Generator Information: Provide generator's USEPA indentification number, name, address, contact person and tagency representing a generator, regulations require you to provide the name of the generator.	elephone number — If you are a broker, service company one about this section.								
	Generator ID # N E D 0 0 0 8 2 9 7 5 4 Name Union Pacific Rai	lroad Company								
	Address 1416 Dodge St. City Omaha	State NE Zip Code 68179								
	Official Contact   Jerry Covey   Title   Manager Compliance Measures   Telephone	(402) 271-4037 Fax								
2	Broker Information: If you are a broker, service company or regulatory agency representing a generator, provide you	ur name, address, telephone number and contact person in this section								
	Name: USPCI Official Contact: Ken Marks Telephone: ( 316	) <u>268-9490</u> Fax: ( 316 ) <u>268-9418</u>								
	Address: 2549 N. New York City: Wichita	State: KS Zip:67219								
	Gen. ID: KSD007246846									
3	Waste Description: Fill in all of the blanks in this section to the best of your knowledge. If "other" is checked, insert	a brief description in the space provided.								
	Common Chemical Name/Trade Name:  (If trade name is used, attach MSDS)  Residue from plating tank  Oh MASTE / V	Land Ban Notification Required?   Yes  ANIO SIN URANIA AND I								
	Process Producing Waste:  Plating Shop Cleanup  (ASS)	ANIDEN I'N BANILI N.O. S. 6.1 PKG 7 I UNIS88								
		DOT Hazard Class: NA UN/NA # NA								
	Packing Group: NA Special Provisions:									
	EPA Waste Number(s) none 0000, F007, F008, [	0010 0030								
	If your waste is not a listed waste (F or K) then circle the hazardous characteristic: Ignita	•								
	Are filters present: yes L1 no卷									
	White solid residue inside tank  Wisual Description:  White solid residue inside tank	American NuKEM Representative:								
		☐ Bock Hill, SC (803) 329 9690 ☐ Mathwall, NJ (201) 818 0900 ☐ Southfield, MI (313) 5534590								

4	Chemical Composition Check "%" or "present." Do no	ppm." If you use percentages, your	total must equal 100%. If you use pp	om and do not know exact quantities.	you can use words su	ch as traces
	Specific Gravity: pH:					
	Chemical Composition in (check one): 🗆	l % □ ppm				· · · · · · · · · · · · · · · · · · ·
	Arsenic NA Barium NA	Cadmium NA	ChromiumNA	Chromium (+6) NA	_ Chromium Tota	al <u>NA</u>
	Cobalt Copper	Lead	Lithium	Mercury	_ Nickel	
	Cobalt Copper Zinc Zinc	Selenium	Total Cyanides	Total Sulfides	Iron	
	ATTACH MOST RECENT ANALYTICAL I					
	Oils, Grease NA Organ	nicsNA	Phenols <u>NA</u>	AcidsNA	Bases	VA_
	Reactive Under 40CFR261.23? ☐ Yes	No KKX				
	Other Components:					
5	Other Components and Constituents:	If any of the listed constituents a	re known to be present, insert the am	ount in weight percent or ppm.	·	N. C.
	Are any of the following present:					·
	Biological Materials	Pathogens	Etiological Agents	Pesticides		
	PCB's	PBB's	Dioxins	Radioactive M	aterials	
6	List any special handling instructions for the n	naterials that are known to be pre	sent.		*s	
						523
	Indicate any special handling instructi	ions:				••
7	Provide best available figures.					
	Approximate Amount of Waste Produc	ced Annually: one time	cleanup Amou	nt on Hand: 1 plating	tank	
8	Check appropriate box, fill in blank(s). IF "othe	er, describe. List all container size	25.			
	Packaging for Shipment: XXDrums (s	ize) various	gallons (weight)	pounds XXBulk	☐ Other:	
9	Please provide your standard industrial code in	n the space provided.				15.
	Chanded Industrial Co. 1: (CIC)	40.1				N.
	Standard Industrial Code (SIC):	4011				4.00

10

and of special requirements such as power tail gate, vacuum tankers, etc

**Transportation Equipment Requirements:** 

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 $i_{
m CS}$  :de the name and telephone number of the individual responsible for scheduling waste shipments

**Scheduling Contact:** 

Ken Marks

Telephone: (316

(316) 268-9490

#### **GENERAL INFORMATION FOR WSCR**

- 1. Instructions for completing CyanoKEM's Waste Stream Characterization Record (WSCR) are above each section. Providing an accurate and complete form assures the most rapid waste approval. For assistance, call CyanoKEM's sales office: (313) 353-5880.
- 2. Regulations require that all the information requested by the WSCR must be provided before wastes can be accepted at CyanoKEM. Complete this form to the best of your knowledge considering the origin and use of the materials.
- 3. A separate WSCR must be completed for each waste sample sent to CyanoKEM.
- 4. Your waste approval will be processed most quickly if you fill out the WSCR completely and accurately. If we find inconsistencies in your

- WSCR it must be returned to you for correction and resubmitted for final approval. Alternately, to save time you should authorize CyanoKEM to correct your WSCR by checking "Yes" and signing in Item 11 above. All corrections will be consistent with the results of sample characterization and/or regulatory requirements. The most rapid waste approval will be achieved by authorizing CyanoKEM to make your WSCR corrections. You will receive a copy of the corrected WSCR for your records.
- 5. CyanoKEM, Inc., in compliance with 40 CFR 264.12 (b), ha the appropriate permit(s) for the waste material(s) a described on this waste stream characterization record CyanoKEM, Inc. will accept such waste material provide that any terms and conditions detailed on the contractual agreement of our quotation are met.

### SAMPLE SUBMITTAL

- 1. Remove the pull-off label from the front of this form and attach it to your sample container.
- 2. Use DOT approved packaging.

3. Package this form together with a 16 to 32 ounce sampl of your waste stream and send to:

12381 Schaefer Highway Telecopy (313) 933-5020 

C#	
APPROVAL W#	T.

### ADDENDUM TO PROFILE

Regulations require that you certify if any of the following constituents are present at characteristic levels in your waste stream. Indicate <u>yes</u> or <u>no</u> for EACH constituent. If analytical is available, please enter this in the actual value space provided.

Chara	acteristic Wastes										
D001		f ignitability as defined in (a) (4) (Oxidizer))			YES / NO /						
D002		f corresivity as defined in			YES ( NO )						
D003	(characteristic of 40 CFR 261.23	f reactivity as defined in (a) (a) (2), (4), (5))			YES NO	Herbi	cide/Pesticide Wastes Cha	ıracteristic Le	vel (ppm)		Actua! Val
Bá . a . t :						D012	Endrin (1, 2, 3, 4, 10, 10- hexachloro-1, 7- epoxy-1, 4, 4a, 5, 6, 7, 8, 8a-octahydro-1, 4-endo, endo-5, 8-dimethano-naphthalene.)	0.02	YES	(NO	<del></del>
metal	Wastes	Characteristic Level (pp	) (1111)		Actual Value		,			!	
D004	(Arsenic)	SO	ALS.	140		D013	Lindane (1,2,3,4,5, 6-Hexa- chlorocyclohexane,	0,4	YES	NO	·
D005	(Barium)	100.0	YES	110			gamma isomer.)				
D006	(Cadmium)	10	YES	MO		D014	Methoxychlor (1,1, 1-Trichloro-2, 2-bis (p methoxy phenyl)	10.0	YES	МО	
D007	(Chromium)	(5.1)	YES	: NO			lethane)		ĺ		
D008	(Lead)	50	YES	TIO .		D015	Toxaphene (C10, H10, Cls Technical chlorinated	0.5	YES	NO	·
D009	(Mercury)	o.e	YES	(111			camphene, 67-69 percent chlorine.)		1		
<b>DO</b> 10	(Selenium)	10	YES	no /		D016	2, 4-D, (2,4-Dichloro-	10.0	YES	NO ·	
DO 1 1	(Silver)	i, ()	54 S	no <sup>f</sup>			phenoxyacetic acid.)		, ,	110	
						D017	2. 4. 5-TP Silvex (2,4, 5-Trichlorophenoxypr opionic acid.)	1.0	YES	NO	

Cros	ic Toxicity Wastes	Characteristic Leve	el (ppm)		Actual Value	Organ	c Toxicity Wastes	Characteristic Leve	et (ppm)		Actual Va
DO18	(Benzene)	0.5	YES	l NO	****	D031	(Heptachlor) (and its hydroxide)	0.008	YES	NO)	
DO 19	(Carbon Tetrachloride)	0.5	YES	NO		D032	(Hexachlorobenzene)	0.13	YES	NO	A.
D020	(Chlordane)	0.03	YES	NO		D033	(Hexachlorobutadiene)	0.5	YES	NO	<u> </u>
D021	(Chlorobenzene)	100.0	YES	NO		D034	(Hexachloroethane)	3.0	YES	NO	-
D022	(Chloroform)	60	YES	ИО		D035	(Methyl ethyl ketone)	200 0	YES	NO	
D023	(o-Cresol)	200 n	YES	100		D036	(Nitrobenzene)	2.0	YES	NO	
D024	(m-Cresol)	200.0	YES	NO		D037	(Pentachlorephenol)	100.0	YES	NO	
D025	(p-Cresol)	200.0	YES	NO		D038	(Pyridine)	5.0	YES	NO I	<del></del>
D026	(Cresol)	200.0	YES	ИО		D039	(Tetrachlorethylene)	0.7	YES	NO	
D027	(1,4-Dichlorobenzene)	$i^{-j}$	YES	no į		D040	(Trichlorethylene)	0,5	YES	ИО	
D028	(1,2-Dichloroethane)	0.5	YES	110		D041	(2,4,5-Trichlorephenel)	400 0	YES	ИО	
D029	(1,1 Dichloroethylene)	07	YES	110		D042	(2,4,6 Trichlorophenol)	20	YES	140	
D030	(2,4-Dinitrotoluene)	0.13	YES	NO		D043	(Vinyl chloride)	0.2	YES	NO	

Wisconsistences. The most rapid waste approval will be achieved by authorizing CyanoKEM to make your WSC most rapid waste approval will be achieved by authorizing CyanoKEM to make your WSC most support with the results of sample characterization and or regulatory requirements. You will receive a copy of the corrected WSCR for your receipts of the not authorize CyanoKEM to make corrections, WSCR's must be returned to you for your correction and resubmitted for final approval. This extends your waste approval time.

Authorization to Correct WSCR: I authorize CyanoKEM to make corrections to this WSCR Form, such corrections being consistent with the results of characterization and/or regulatory requirements of Michigan DNR or EPA. I understand that a corrected copy will be sent to me. Yes 10 No I Initial:

NOTE: Any significant changes or deviations from the waste received versus the information on this form requires amendment.

13 Must be signed by the appropriate part shirt in the sampling the same signed by the appropriate part shirt in the same signed by the appropriate part shirt in the same signed by the appropriate part shirt in the same signed by the appropriate part shirt in the same signed by the appropriate part shirt in the same signed by the appropriate part shirt in the same signed by the appropriate part shirt in the same signed by the appropriate part shirt in the same signed by the appropriate part shirt in the same signed by the appropriate part shirt in the same signed by the appropriate part shirt in the same signed by 
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JEPRY L. COVEY

Mas Comp / Mean

# CyanokEM

### WASTE STREAM CHARACTERIZATION RECORD

Regulations require generators and/or brokers to fully complete this Waste Stream Characterization Record before wastes can be accepted for treatment.

**AMERICAN** 

EPA Identification Number: MID0980 1 1992

Vaste Lab	Control	Number:
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C- 82203

All items on each page must be completed. This

includes the Addendum to Profile on pages 4 and 5

Addendum. This will assure you the most rapid waste

NOTE: Remember to sign section 13 on the WSCR as well as the "Generator Conflication"

- W22455

Isolial Iliquid 93013 114

PULA SE SUBMIL THE COMPLETED FORM AT A 16 TO 32 OUNCE SAMPLE OF THE WAS STREAM TO: Approvals Laboratory, Cyancke 10081 Schaefer Hwy, Detroit, MI 48227

☐ Rock Hill, SC (803) 329, 9690 ☐ Mahwab, NJ (201) 818-0900 ☐ Southfield, MI (313) 559-590

	species of the extend original paperwork with sample.	**************************************	
1	Generator Information: Provide generator's USEPA indentification number, name, address, contact person and agency representing a generator, regulations require you to provide the name of the gene	telephone number in If you are a broker, service company of the attractor in this section.	ate
	Generator ID # N E D 0 0 0 8 2 9 7 5 4 Name Union Pacific Railroad	d Company	
	Address 1416 Dodge St City Omaha	State NE Zip Code 68179	
	Official Contact   Jerry Covey   Title   Manager Compliance Measures   Telephone		
2	Broker Information: If you are a broker, service company or regulatory agency representing a generator, provide you	our name, address, telephone number and contact person in this sect	IOI
	Name: USPCI Official Contact: Ken Marks Telephone: ( 316	) <u>268-9490</u> Fax: (316 ) 2 <u>68-9418</u>	1)
	Address: 2549 N. New York City: Wichita	State: KS Zip: 67219	
	Gen. ID: KSD007246846	·	
3	Waste Description: Fill in all of the blanks in this section to the best of your knowledge. If "other" is checked, insert Common Chemical Name/Trade Name: debris, Cyanide solution, white solid residue, (If trade name is used, attach MSDG)		П
	Process Producing Waste: Plating Shop Cleanup		
	DOT Shipping Name LQ Waste Cyanide solutions	DOT Hazard Class: 6.1 UN/NA # UN1935	
	Packing Group: T1 Special Provisions:		1
	EPA Waste Number(s): D002, D003 \ D00 \ \		. ; . ;
	If your waste is not a listed waste (F or K) then circle the hazardous characteristic: Ignita	· · · · · · · · · · · · · · · · · · ·	
	Are filters present: yes [1 noXX	,	
	Physical State at 70° KKSolid Chunks - F1 Solid Monolith - F1 Sludge - XX Liquid - Other (explain):		3: 1 18
		American NuKEM Representative:	1
	Visual Description oily yellow Liquid, white residue, debris in tank		

4	Chemical Composition Check "%" or "ppm." If you use percentages, your total must equal 100%. If you use ppm and do not know exact quantities, you can use words such as "unknown" or "not available."	uo waasa
	Specific Gravity: 1.0 pH: 13	¥ 200 100 100 100 100 100 100 100 100 100
	Chemical Composition in (check one): □ % □ ppm	
	Arsenic NA Barium NA Cadmium NA Chromium NA Chromium (+6) NA Chromium Total	<u>NA</u>
	Cobalt Copper Lead Lithium Mercury Nickel	1 1 1
	Silver Zinc Selenium Total Cyanides Total Sulfides Iron	1
	ATTACH MOST RECENT ANALYTICAL INFORMATION, IF AVAILABLE.	
	Oils, Grease NA Organics NA Phenols NA Acids NA Bases NA	
	Reactive Under 40CFR261.237XXX Yes □ No	
	Other Components:	
5	Other Components and Constituents: If any of the listed constituents are known to be present, insert the amount in weight percent or ppm.	1
	Are any of the following present:   Yes XXX No If yes, then circle those present.	
	Biological Materials Pathogens Etiological Agents Pesticides	141
	PCB's PBB's Dioxins Radioactive Materials	
6	List any special handling instructions for the materials that are known to be present.	
	Elst dify special flanding first detions for the flaterials that are known to be present.	
	Indicate any special handling instructions:	· · · · · · · · · · · · · · · · · · ·
7	Provide best available figures.	
	Approximate Amount of Waste Produced Annually: one time cleanup Amount on Hand: 1 plating tank	7
	Approximate Amount of Waste Froduced Affidally. Site Emile Creatop Amount of Flating Lark	
8	Check appropriate box, fill in blank(s). IF "other," describe. List all container sizes.	
	Packaging for Shipment: Drums (size) various gallons (weight) pounds M Bulk D Other:	
9	Please provide your standard industrial code in the space provided.	
	Standard Industrial Code (SIC): 4011	
		1.46

- 1. Instructions for completing CyanoKEM's Waste Stream Characterization Record (WSCR) are above each section. Providing an accurate and complete form assures the most rapid waste approval. For assistance, call CyanoKEM's sales office: (313) 353-5880.
- 2. Regulations require that all the information requested by the WSCR must be provided before wastes can be accepted at CyanoKEM. Complete this form to the best of your knowledge considering the origin and use of the materials.
- 3. A separate WSCR must be completed for each waste sample sent to CyanoKEM.
- 4. Your waste approval will be processed most quickly if you fill out the WSCR completely and accurately. If we find inconsistencies in your

WSCR it must be returned to you for correction and resubmitted for final approval. Alternately, to save time you should authorize CyanoKEM to correct your WSCR in checking "Yes" and signing in Item 11 above. All corrections will be consistent with the results of sample characterization and/or regulatory requirements. The magical rapid waste approval will be achieved by authorizing CyanoKEM to make your WSCR corrections. You will receive a copy of the corrected WSCR for your records.

5. CyanoKEM, Inc., in compliance with 40 CFR 264.12 (b), has the appropriate permit(s) for the waste material(s) as described on this waste stream characterization record CyanoKEM, Inc. will accept such waste material provided that any terms and conditions detailed on the contractual agreement of our quotation are met.

### **SAMPLE SUBMITTAL**

- 1. Remove the pull-off label from the front of this form and attach it to your sample container.
- 2. Use DOT approved packaging.

3. Package this form together with a 16 to 32 ounce sample of your waste stream and send to:

12381 Schaefer Highway Telecopy (3.13) 933 5000 That at 11 Norm 48 327 / (313) 933-1850 LEA Hopely of an attilly propertions

C#	 1		
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PPROVAL W#	E)	( )	_

### ADDENDUM TO PROFILE

Regulations require that you certify if any of the following constituents are present at characteristic levels in your waste stream. Indicate yes or no for EACH constituent. If analytical is available, please enter this in the actual value space provided.

Chara	cteristic Wastes										
D001		of ignitability as defined in (a) (4) (Oxidizer))		. YE	S (NO						
D002	(characteristic of 40 CFR 261.22	of corrosivity as defined in (		(YE	S' NO						
D003	(characteristic of 40 CFR 261.23	of reactivity as defined in (a) (2), (4), (5))		(YE	s) NO	Herbio	ide/Pesticide Wastes Cha	racteristic Le	vel (ppm)		Actual Value
						D012	Endrin (1, 2, 3, 4, 10, 10- hexachloro-1, 7- epoxy-1, 4, 4a, 5, 6, 7, 8, 8a-octahydro-1, 4-endo, endo-5, 8-dimethano-naphthalene)	0.02	YES	NO /	***************************************
Metal	Wastes	Characteristic Level (p	pm)		Actual Value		•				
D004	(Arsenic)	5.0	YES	ŃО	Address of the second of the s	D013	Lindane (1,2,3,4,5, 6-Hexa- chlorocyclohexane,	0.4	YES	NO	
D005	(Barium)	100.0	YES	; NO			gamma isomer.)				'
D006	(Cadmium)	10	YES	NO		D014	Methoxychlor (1,1, 1-Trichloro-2, 2-bis (p- methoxy-phenyl)	10.0	YES	NO	
D007	(Chromium)	60	YES	ИО			lethane.)				
D008	(Load)	5.0	YES	no		D015	Toxaphene (C to, H to, Cla Technical chlorinated	0.5	YES	ИÓ	
D009	(Mercury)	0.2	YES	110			camphene, 67-69 percent chlorine)				
DO 10	(Selenium)	1.0	YES	tio /		DO 16	2, 4 D, (2,4 Dichloro	10.0	YES	NO	
D011	(Silver)	(,()	YLS	140			phenoxyacetic acid)				
S. Sangaga	The state of the s					D017	2, 4, 5-TP Silvex (2,4, 5-Trichlorophenoxypropionic acid.)	1.0	YES	NO	. # 

Organ	ic Toxicity Wastes	Characteristic Leve	l (ppm)		Actual Value	Organ	ic Toxicity Wastes	Characteristic Leve	el (ppm)		Actual Valu
D018	(Benzene)	0.5	YES	(NO)		D031	(Heptachlor) (and its hydroxide)	0.008	YES	NO	
D019	(Carbon Tetrachloride)	0.5	YES	NO		D032	(Hexachlorobenzene)	0.13	YES	NO	<u>jake aj likula</u>
D020	(Chlordane)	0.03	YES	NO		D033	(Hexachlorobutadiene	0.5	YES	NO	
DO21	(Chlorobenzene)	100.0	YES	NO		D034	(Hexachloroethane)	3.0	YES	NO	
D022	(Chloroform)	6.0	YES	NO		D035	(Methyl ethyl ketone)	200.0	YES	NO	
D023	(o-Cresol)	200.0	YES	NO		D036	(Nitrobenzene)	2.0	YES	NO	
D024	(m-Cresol)	200 0	YES	NO		D037	(Pentachlorophenol)	100.0	YES	NO	
D025	(p-Cresol)	200.0	YES	NO		D038	(Pyridine)	5.0	YES	NO	
D026	(Cresol)	200.0	YES	NO		D039	(Tetrachlorethylene)	0.7	YES	NO	<u></u>
D027	(1,4-Dichlorobenzene)	7.5	YES	NO		D040	(Trichlorethylene)	0.5	YES	NO	
D028	(1,2-Dichloroethane)	0.5	YES	NO		D041	(2,4,5-Trichlorophenol)	400.0	YES	NO	<u> </u>
D029	(1,1-Dichloroethylene)	0.7	YES	NO		D042	(2,4,6-Trichlorophenol)	2.0	YES	МО	
D030	(2,4-Dinitrotoluene)	0.13	YES	NO	AND THE PERSON OF THE	D043	(Vinyl chloride)	0.2	YES	NO	······································

Check 'Yes' and initial this section if you want CyanoKEM to correct any inconsistencies. The most rapid waste approval will be achieved by authorizing CyanoKEM to make your WSCI corrections. All corrections will be consistent with the results of sample characterization and/or regulatory requirements. You will receive a copy of the corrected WSCR for your records. If you do not authorize CyanoKEM to make corrections, WSCR's must be returned to you for your correction and resubmitted for final approval. This extends your waste approval time.

Authorization to Correct WSCR: I authorize CyanoKEM to make corrections to this WSCR Form, such corrections being consistent with the results of sample characterization and/or regulatory requirements of Michigan DNR or EPA. I understand that a corrected copy will be sent to me. Yes 💆 No 🗆 Initial: 🤇

NOTE: Any significant changes or deviations from the waste received versus the information on this form requires amendment.

Must be signed by the appropriate personnel representing the company generaling or handling the waste.

GENERATOR OF THIS CARRELL AND A

Jamy / Gury " JERRY L. COVEY " Mg/ Comp

### *CyanokEM*

### WASTE STREAM CHARACTERIZATION RECORD

Regulations require generators and/or brokers to fully complete this Waste Stream Characterization Record before wastes can be accepted for treatment.

**AMERICAN** 

EPA Identification Number: MIP098011992

٧	٨	/aste	Lab	<b>Control</b>	Number:
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C- boddo

All items on each page and the completed. This

includes the Addendon to Profile on pages 4 and 5.

W22458

THEASE SUBMIT THE COMPLETED FORM / A 16 TO 32 OURCE SAMPLE OF THE WAS STREAM TO: Approvals Laboratory, Cyanok

☐ Rock Hill, SC (803) 329 9690 ☐ Mahwah, NJ (201) 818-0900 ☐ Southfield, MI (313) 559-590

N	IOTE: the Generator Certification at the hottom of the Addendum. This will assure you the most rapid waste arms of the end original paper work with sample.
ij	
	Generator ID # N E D 0 0 0 8 2 9 7 5 4 Name Union Pacific Railroad Company
	Address 1416 Dodge St. City Onaha State NE Zip Code 68179
	Official Contact   Jerry Covey   Title   Manager Compliance Measures   Telephone   (402) 271-4037   Fax
2	Broker Information: If you are a broker, service company or regulatory agency representing a generator, provide your name, address, telephone number and contact person in this section
	Name: USPC1 Official Contact: Ken Marks Telephone: (316 ) 268-9490 Fax: ( 316 ) 268-9418
	Address: 2549 N. New York City: Wichita State: KS Zip: 67219
	Gen. ID: KSD007246846
3	Waste Description: Fill in all of the blanks in this section to the best of your knowledge. If "other" is checked, insert a brief description in the space provided.
	Common Chemical Name/Trade Name: Cyanide solution residue, plating tank Land Ban Notification Required? XXYes (If trade name is used, attach MSDS)
	Process Producing Waste: Plating Shop Cleanup
	DOT Shipping Name: Waste Cyanides, inorganic, n.o.s. DOT Hazard Class: 6.1 UN/NA # UN 1588
	Packing Group: II Special Provisions:
	EPA Waste Number(s): D003
	If your waste is not a listed waste (F or K) then circle the hazardous characteristic: Ignitable (Reactive) Corrosive Toxic Oxidizer
	Are filters present: yes E1 no INX  Physical State at 70° XXSolid Chunks = E1 Solid Monolith = E1 Sludge = E1 Liquid = Other (explain):
	Visual Description: gray-white solid residue inside tank

4	Chemical Composition Check "%" or "ppm." If you use percentages, your total must equal 100%. If you use ppm and do not know exact quantities, you can use words such a "present." Do not use words such as "unknown" or "not available."	s "trace" d
	Specific Gravity: NA pH: NA	1
	Chemical Composition in (check one): ☐ % ☐ ppm	
	Arsenic NA Barium NA Cadmium NA Chromium NA Chromium (+6) NA Chromium Total	NA
	Cobalt Copper Lead Lithium Mercury Nickel	1
	Silver Zinc Selenium Total Cyanides Total Sulfides Iron	
	ATTACH MOST RECENT ANALYTICAL INFORMATION, IF AVAILABLE.	
	Oils, Grease NA Organics NA Phenols NA Acids NA Bases NA	- 1
	Reactive Under 40CFR261.23? A Yes □ No	
	Other Components:	
5	Other Components and Constituents: If any of the listed constituents are known to be present, insert the amount in weight percent or ppm.	78
	Are any of the following present: [7] Yes XX No If yes, then circle those present.	
	Biological Materials Pathogens Etiological Agents Pesticides	· · · · · · · · · · · · · · · · · · ·
	PCB's Dioxins Radioactive Materials	
6	List any special handling instructions for the materials that are known to be present.	
	Indicate any special handling instructions:	: A
7	Provide best available figures.	A STATE OF THE STA
	Approximate Amount of Waste Produced Annually: one time cleanup Amount on Hand: 1 tank	
	Approximate Amount of Waste Froduced Amidany.	4 .
8	Check appropriate box, fill in blank(s), IF "other," describe. List all container sizes.	
	Packaging for Shipment: MDrums (size) various gallons (weight) pounds MBulk [] Other:	
9	Please provide your standard industrial code in the space provided.	<b>41</b> 84 b.
	Standard Industrial Code (SIC): 4011	

include of special requirements such as power tail gate, vacuum tankers, etc

**Transportation Equipment Requirements:** 

Figure the name and telephone number of the individual responsible for scheduling waste shipments

**Scheduling Contact** 

Ken Marks

Telephone: (316) 258-9490

#### **GENERAL INFORMATION FOR WSCR**

- 1. Instructions for completing CyanoKEM's Waste Stream Characterization Record (WSCR) are above each section. Providing an accurate and complete form assures the most rapid waste approval. For assistance, call CyanoKEM's sales office: (313) 353-5880.
- 2. Regulations require that all the information requested by the WSCR must be provided before wastes can be accepted at CyanoKEM. Complete this form to the best of your knowledge considering the origin and use of the materials.
- 3. A separate WSCR must be completed for each waste sample sent to CyanoKEM.
- 4. Your waste approval will be processed most quickly if you fill out the WSCR completely and accurately. If we find inconsistencies in your

- WSCR it must be returned to you for correction and resubmitted for final approval. Alternately, to save me you should authorize CyanoKEM to correct your WSCR by checking "Yes" and signing in Item 11 above. All corrections will be consistent with the results of sample characterization and/or regulatory requirements. The most rapid waste approval will be achieved by authorizing CyanoKEM to make your WSCR corrections. You will receive a copy of the corrected WSCR for your records.
- 5. CyanoKEM, Inc., in compliance with 40 CFR 264.12 (b) has the appropriate permit(s) for the waste material(s) as described on this waste stream characterization record. CyanoKEM, Inc. will accept such waste material provided that any terms and conditions detailed on the contractual agreement of our quotation are met.

#### **SAMPLE SUBMITTAL**

- 1. Remove the pull-off label from the front of this form and attach it to your sample container.
- 2. Use DOT approved packaging.

3. Package this form together with a 16 to 32 ounce strip of your waste stream and send to:

12381 Schaefer Highway Telecopy (313) 933 Kb //b Problem Statement 4827 (31.3.93.2.1950)

C#	 1	
	1	
APPROVAL W#		•

### ADDENDUM TO PROFILE

Regulations require that you certify if any of the following constituents are present at characteristic levels in your waste stream. Indicate <u>yes</u> or <u>no</u> for EACH constituent. If analytical is available, please enter this in the actual value space provided.

#### **Characteristic Wastes**

D001	(characteristic o	f ignitability as defined in		V	ŒS NO						
	40 CFR 261.21	(a) (4) (Oxidizer))		,	140						
D002	<ul><li>(characteristic of corrosivity as defined in 40 CFR 261.22)</li></ul>			Y	ES NO						
D003	(characteristic of 40 CFR 261 23	(\	ÆS: NO	Herbio	Herbicide/Pesticide Wastes Characteristic Level (ppm)						
						D012	Endrin (1, 2, 3, 4, 10, 10- hexachloro-1, 7 epoxy-1, 4, 4a, 5, 6, 7, 8, 8a-octahydro-1, 4-endo, endo-5, 8-dimethano-naphthalene.)	0.02	YES	NO	
Metal \	Wastes	Characteristic Level (ppr	(וו		Actual Value	-	,				
D004	(Arsenic)	5.0	YES	NO /	· · · · · · · · · ·	D013	Lindane (1,2,3,4,5, 6-Hexa- chlorocyclohexane,	0.4	YES	NO	al to the Hardware design of the San Andrews of the
D005	(Barium)	100 0	YES	- NO			gamma isomer.)				
D006	(Cadmium)	1 ()	71.8	140		D014	Methoxychlor (1,1, 1-Trichloro-2, 2-bis (p- methoxy-phenyl)	10.0	YES	NO	9
D007	(Chromium)	50	YES	110			lethane.)				
D008	(Lead)	60	YES	110		D015	Toxaphene (C10, H10, Cla Technical chlorinated	0.5	YES	NO	<u>v</u>
<b>DO</b> 09	(Mercury)	0.2	YES	NO			camphene, 67-69 percent chlorine.)			1	
<b>D</b> O 10	(Selenium)	10	YES	11()		D016	2, 4-D, (2,4-Dichloro- phenoxyacetic acid.)	10.0	YES	МО	
D011	(Silver)	1, ()	31.8	140			. ,				
						D017	2, 4, 5-TP Silvex (2,4, 5-Trichlorophenoxypropionic acid.)	10	YES	NO	•

Organ	ic Toxicity Wastes	Characteristic Leve	l (ppm)		Actual Value	Organ	ic Toxicity Wastes	Characteristic Leve	el (ppm)		Actual Val
D018	(Benzene)	0.5	YES	NO		D031	(Heptachlor) (and its hydroxide)	0.008	YES	NO	₩ 
DO 19	(Carbon Tetrachloride)	0.5	YES	, NO		D032	(Hexachlorobenzene)	0.13	YES	NO	
D020	(Chlordane)	0.03	YES	NO		D033	(Hexachlorobutadiene	) 0.5	YES	NO	
D021	(Chlorobenzene)	100.0	YES	NO		D034	(Hexachloroethane)	3.0	YES	ИО	
D022	(Chloroform)	6.0	YES	NO		D035	(Methyl ethyl ketone)	200.0	YES	NO	
D023	(o-Cresol)	200.0	YES	NO	and the state of t	D036	(Nitrobenzene)	2.0	YES	NO	
D024	(m-Cresol)	200.0	YES	NO	Allers in age of the Administration of the Administration	D037	(Pentachlorophenol)	100.0	YES	NO	
D025	(p-Cresol)	200.0	YES	NO		D038	(Pyridine)	5.0	YES	NO	
D026	(Cresol)	200.0	YES	NO		D039	(Tetrachlorethylene)	0.7	YES	NO	
D027	(1,4-Dichlorobenzene)	7.5	YES	NO	and the second state of the second se	D040	(Trichlorethylene)	0.5	YES	NO	
D028	(1,2-Dichloroethane)	0.5	YES	NO		D041	(2,4,5-Trichlorophenol	) 400.0	YES	ИО	
D029	(1,1-Dichloroethylene)	0.7	YES	NO	· Platery was the Section States and Section S	D042	(2,4,6-Trichlorophenol	2.0	YES	NO	
D030	(2,4-Dinitrotoluene)	0.13	YES	NO	A STATE OF THE PROPERTY AND ADMINISTRATION OF THE PROPERTY OF	D043	(Vinyl chloride)	0.2	YES	NO	
				/							4.

Check. Yes" and initial this section if you want CyanoKEM to correct any inconsistencies. The most rapid waste approval will be achieved by authorizing CyanoKEM to make your WSC corrections. All corrections will be consistent with the results of sample characterization and/or regulatory requirements. You will receive a copy of the corrected WSCR for your records. If yo do not authorize CyanoKEM to make corrections, WSCR's must be returned to you for your correction and resubmitted for final approval. This extends your waste approval time.

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NOTE: Any significant changes or deviations from the waste received versus the information on this form requires amendment.

Must be signed by the appropriate personnel representing the company generating or handling the waste.

GENERATOR OF RUILIDATION